

TELECO

Group

2026 EN



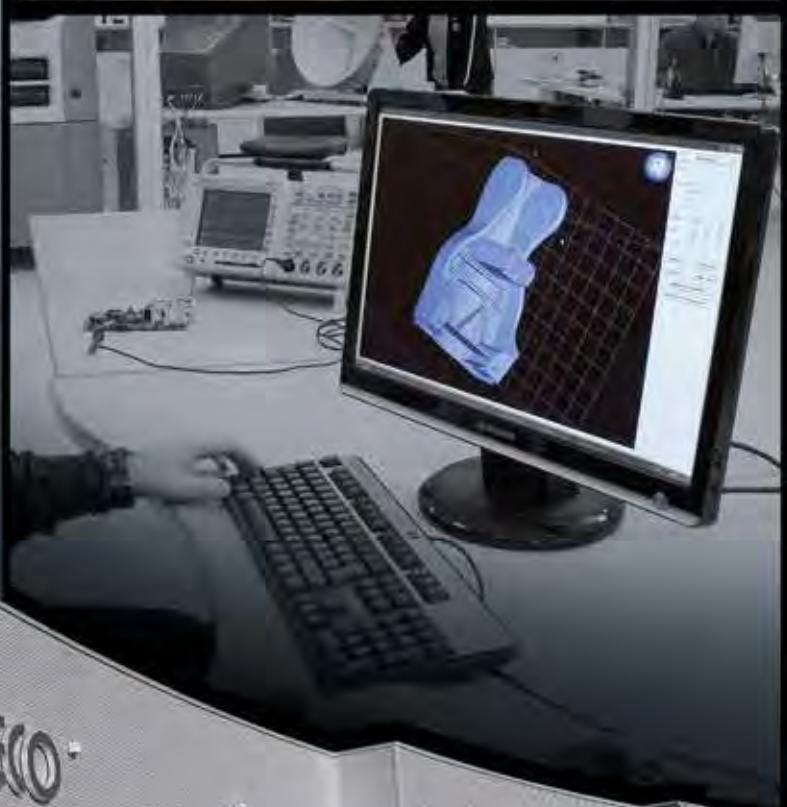
A perfect harmony of shapes, function and materials

A design that perfectly blends in with any type of recreational vehicle, both with its external form and with every detail of its interior.

Continuous technical innovation resulting from years of experience, renewed and projected into the future by the enthusiasm, imagination and skills of a team of young Teleco designers.

Materials selected through strict testing and quality control to ensure that every product will retain its appearance over the course of a long working life.

These are the three simple "ingredients" that lay the foundations of our success in all European markets, and that can be found in every Teleco product.



Meeting customers' expectations and solving their problems immediately is a must for Teleco.



Teleco provides outstanding technical and sales assistance

An ever-closer relationship with the customer, who is advised at the time of purchase and assisted throughout the life cycle of the product.

While it may not always be possible to eliminate a problem at its root due to local or accidental situations, it is clear that the reaction must be quick, almost instantaneous.

- 1) Multilingual support service for customers to directly address minor technical questions.
- 2) E-mail support service for customers to turn to for more complex questions requiring a more detailed answer.
- 3) Teleco is continually investing in the expansion of its outstanding support network. This allows us to offer fast and qualified assistance in every country, even when on holiday. Our independent service and repair centres throughout Europe can quickly respond to all requests thanks to the constant support from Teleco, which periodically organises training and refresher courses attended by specialized technicians from all over Europe.

Independent service and repair centres throughout Europe

Control center via smartphone

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Teläir

AIR CONDITIONER

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Teleco HUB central control unit via smart phone for motorhomes and caravans

TELECO HUB CONTROL CENTRE

- Power supply: 12 Volts (10-15 V DC)
- Max consumption: 300 mA
- SIM Card connector: Micro SIM card
- Number of phones that can be connected via Bluetooth: 4
- Auxiliary outputs: 2 clean contacts 10A 250Vac / 30V DC
- Inputs: 2 digital channels (internal voltage 6 Volts)
- Dimensions: 147x97x35 mm
- Weight: 200g

The ideal interface for using your smartphone to control your motorhome or caravan by means of a simple app.

It operates via Bluetooth when nearby, and via SMS from a distance. Operation via Bluetooth is completely free of charge, whereas SMS control requires the installation of a Micro SIM CARD (either contract or PAYG) in the Teleco HUB box.



What can you do with your smartphone?

Switch the Telair air conditioner on/off and set the temperature.



Remote-control closure of the Flatsat BT or Telesat BT antenna to prevent gusts of wind damaging it.



Turn lights on or off. Check the temperature inside the vehicle, the battery level and the drinking and waste water levels, or whether the door or the skylight is open or closed.

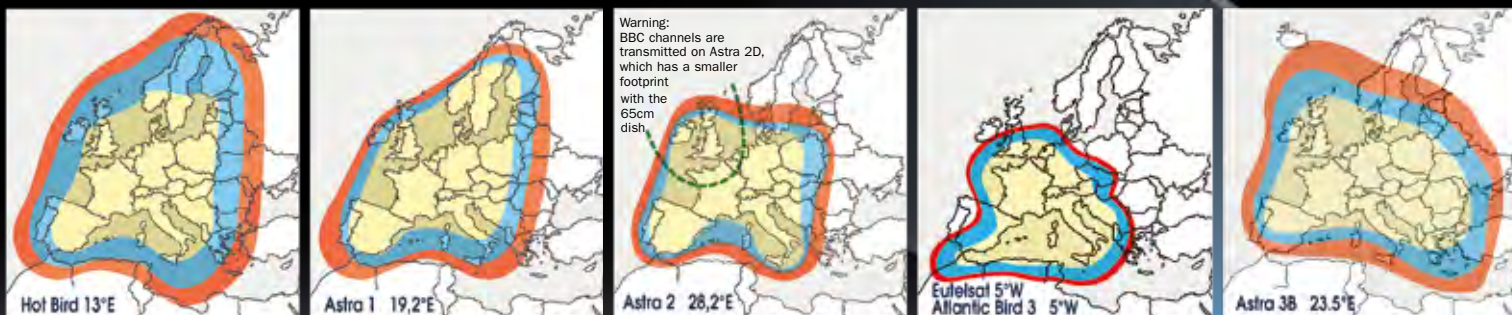


Turn the TIG generator on/off



Battery management





footprint

50cm

65cm

85cm

Footprint key

Footprint: advice on choosing a satellite dish

Reception of television and radio signals is guaranteed within the coloured areas (footprints). Cloud cover and rain could adversely affect reception of the satellite signal. So it is important, when choosing your satellite system, to check carefully that the dimensions of the dish are sufficient to receive a good satellite signal in the places that you will be visiting.

Which satellite antenna to choose?

ACTIVSAT SMART

Portable Automatic System installed on a mobile tripod, suitable for all those who love to spend their holiday with their caravan parked beneath the shade of the trees. This is also the ideal solution for owners of compact camper vans that do not have enough roof space to attach an automatic or manual satellite antenna.



FLATSAT EASY BT

FLATSAT CLASSIC BT

TELESAT BT

Three automatic satellite antenna models that can be installed on your motorhome roof. All three are equipped with a latest-generation, extremely user-friendly control unit with OLED display and 16 Satellites stored in memory. The on-board Bluetooth function and the TELECO App also allow the satellite antenna to be controlled via your Smartphone. All antennas are equipped with a Mini Control Panel that lets users control all the automatic functions of their antenna. The three models only differ in terms of mechanical construction technology of the outer unit, and in the different Satellite Dish sizes (larger on Flatsat Easy units). All these models can be equipped with the SMART function (pay-for option), which lets the user control the antenna through the TV remote control, after activating the initial satellite tracking with the control unit or with the panel or phone.



FLATSAT EASY SKEW BT SMART



Antenna model designed for real globetrotters. Equipped with a GPS-controlled automatic LNB rotation system (SKEW) that provides maximum signal strength even in critical zones.



FLATSAT WiFi

COMBISAT WiFi

Two antenna models to receive 3 different signals: Satellite, LTE Mobile, WIFI.

You will always have a source available to watch the programmes you desire on your Smart TV: if the LTE signal is not available with these antennas, you can watch a multitude of programmes via the satellite connection on your Smart TV or you can connect your router to a nearby WIFI source (when available). A simple and straightforward solution that allows you to make the best choice in a matter of seconds.





ACTIVSAT SMART

Fully Automatic Portable Satellite System

You can park your caravan or camper van in the shade of a tree and install your ACTIVSAT automatic system alongside it on the lawn.

Three Different satellite antennas :

- 1) Transparent Acrylic Dish 85 cm, low visual impact
- 2) Transparent Acrylic Dish 65 cm, low visual impact
- 3) Square Flat Antenna 53x53 cm

Simply open the tripod, fit the motor unit on top of it, slide in the dish and connect the cable (15 m) to the external Activsat socket on the vehicle.

Very quick and easy installation, no tools needed.

Align with the satellite in just a few seconds

via Bluetooth through your smartphone, or simply by pushing a button on the control box inside your vehicle.

You can easily select between 2 search modes:

Quick Search (the dish limits the search to just 120° which, in addition to being much faster, it saves 70% of battery charge).

To use Quick Search you first have to point the dish towards the South, using the Compass supplied. If you cannot find the South, you can deactivate the Quick Search and the system will automatically perform a full 360° search.

Every time the ACTIVSAT aligns with a satellite, the position is stored in its memory to save time when the next search is made..



Bluetooth®

iOS

ANDROID

CIBUS

COMPASS

establishes the exact position of the antenna in real time, thus making it easier to position the latter in the direction of the desired satellite..

SKEW

indicates, on the basis of the position of the antenna and the selected satellite, whether the LNB needs rotating.





Small, sleek-looking indoor unit equipped with:

- 1) 16 satellites stored in memory
- 2) High definition blue OLED graphic display
- 3) SAT Button / Quick Search Button / Park Button
- 4) Incorporated Bluetooth to control your ACTIVSAT directly from your Smartphone
- 5) Anti-theft alarm with very loud beeper (91 dB) with ON-OFF switch.
- 6) CI BUS port for connection to CI BUS system
- 7) Additional output to connect to a powerful external siren (optional) or external light
- 8) ON-OFF power switch
- 9) Quick, user-friendly software updates via Bluetooth with your smartphone



Double Anti-theft Alarm:

- 1) If somebody cuts the cable, a very loud beeper will go off. An external light and siren can be automatically switched on (optional).
- 2) The external antenna is strictly associated with its internal control unit through the Serial Number. All SNs are stored in a Teleco database. If somebody steals the outdoor unit, they will not be able to obtain as spare control unit without providing the SN of the antenna and their name!

Five Models available:

- | | |
|----------------------|----------|
| 1) ACTIVSAT 85 | Kg 10,40 |
| 2) ACTIVSAT 85T Twin | Kg 10,40 |
| 3) ACTIVSAT 65 | Kg 8,50 |
| 4) ACTIVSAT 65T Twin | Kg 8,50 |
| 5) ACTIVSAT 53SQ | Kg 10,50 |

ActivSat bags (optional)

All components are easily stored and transported thanks to 2 hard-wearing bags: one for the dish, and one for the outdoor unit with tripod and cable.

MODELS:

- BAS/TR - Tripod bag
- BAS/65 - Ø65 dish bag
- BAS/85 - Ø85 dish bag
- BAS/65 - Square antenna bag





Mod. PAS/F FAW0



Mod. PAS/W WESTACC



SE110C - EXTERNAL SIREN
(optional)
12 Vdc - 110 dB

EXTERNAL SOCKET FOR ACTIVSAT (optional)

SPECIFICATIONS

Material: ABS

Colour: white outside,
black inside

INPUTS:

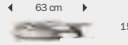
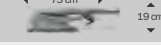
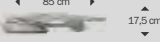
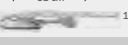
- connector for 10-pole ActivSat motor cable
- F connector for ActivSat coaxial cable
- F connector for second coaxial cable (ActivSat Twin)
- F connector for coaxial cable for external TV
- 12 V DC universal socket (Max 10 A) with rubber cover and Faston terminals for external TV power supply

AVAILABLE MODELS:

- PAS/W - ActivSat Westacc socket
- PAS/F - ActivSat Fawo socket

Automatic Satellite Antennas



		Flatsat Classic BT	Flatsat Easy BT	Telesat BT	Flatsat Easy Skew BT SMART
HD		✓	✓	✓	✓
DVBS-2		✓	✓	✓	✓
Mini Panel					
Number of satellites		Display	Display	Display	Display
SMART control		16	16	16	16
LNB protective cover		option	option	option	✓
SKEW		—	✓	—	✓
Overall dimensions		—	—	—	✓
Closed	50cm				
	65cm				
	85cm				
Weight (approx.)	50cm	8,8Kg			10,8Kg
	65cm	9,0Kg	10,5Kg	9,0Kg	12,0Kg
	85cm	10,8Kg	11,6Kg	10,6Kg	
Dish dimensions	50cm	49x45,5cm	—	—	
	65cm	63,5x59cm	72x67cm	63,5x59cm	72x67cm
	85cm	85x78cm	91x85cm	85x78cm	91x85cm
Optional		TWIN - BLACK COLOUR	TWIN - QUAD (mod. 70 only)	TWIN - BLACK COLOUR	TWIN

Satellite Antennas with automatic alignment

Teleco stands out against other brands through the use of lightweight but very durable materials. This allows us to guarantee that the equipment will not deteriorate over their long working life. The weight and height of Teleco automatic antennas are reduced to a minimum without compromising quality.

- Anti-torsion arm with aerodynamic profile.
- Aluminium casting in special DIE-CASTING injection technology (lighter and stiffer) with anti-corrosion epoxy coating.
- Steel and bronze gears.
- Motorised system with steel and bronze gears for perfect and stable pointing of the satellite.
- Built-in safety system: automatic lowering of the antenna upon vehicle startup.



CONTROL BOX



Flatsat WiFi

Combisat WiFi



Display



Display

16

16

option

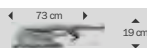
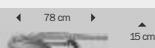
option

-

-

-

-



-

9,0Kg

9,0Kg

-

-

-

-

63,5x59cm

63,5x59cm

-

-

TWIN

TWIN - BLACK COLOUR

The new super-compact control box with 16 stored satellites is used to autonomously control all the New Flat Sat and Telesat Automatic Satellite Antennas. It features an easy-to-use OLED display and can be controlled from a smartphone via Bluetooth. All software updates - when made available on the TELECO App - can be made automatically by the end user on their smartphone via Bluetooth.

The antenna can be controlled in 5 different ways:

- 1) By pressing a key on the control unit
- 2) By Smartphone through the TELECO App (Free) via Bluetooth
- 3) With the New Mini Panel with Display
- 4) Via the CI Bus control panel (not included)
- 5) If the antenna is connected to a Teleco TV of the TEK series, it can be controlled directly through the remote control (Komfort and Elegance models)

TELECO App



The Teleco App is available for free in both iOS and Android. Selecting the Automatic Antenna icon takes you to the dedicated menu showing all the information that will make using the antenna extremely simple:

Compass indicating the direction from which the selected satellite signal is coming (Immediately ensures you do not park in front of an obstacle)

LNB skew value to optimise the incoming signal at the user's parking position;

List of 16 satellites saved in the Memory.

Firmware update When an update becomes available the user will receive it directly on the App and can install it on the antenna easily and automatically via Bluetooth from his/her smartphone



Flatsat Classic BT

FULL HD

Flatsat Classic BT consists of:

- 1 External satellite antenna
- 1 DVB-S2 Control unit complete with leads
- 1 Control panel



Automatic Satellite Antenna HD with 16 saved Satellites. Equipped with DVB-S2 control unit with OLED display and 2 keys to start a satellite search or lower the dish. Can also be controlled via Bluetooth from your Smartphone via the TELECO App. The control unit also features a CI Bus port. All software updates - when made available on the TELECO App - can, in fact, be loaded directly by the user from a smartphone via Bluetooth. The Flatsat Classic BT is compatible with all TVs equipped with a DVB-S2 tuner and all Satellite receivers. Safety system with automatic closing of the antenna when the vehicle is started



- Wall-mounted control panel with just two keys and display

Optional:



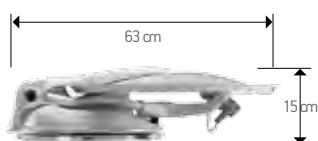
- SMART function When the user changes channel with the TV remote control the antenna automatically points itself at the satellite broadcasting the selected channel.



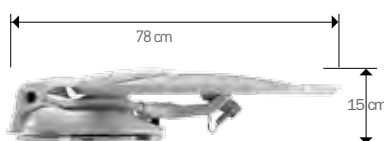
DVB-S2 HD Control Unit
 Power supply 12/24 V DC (10-31 V DC)
 Max. Consumption: 3.2 A
 Dimensions: 160X115X25 mm Weight: 250 g



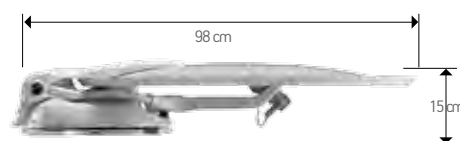
Compatible with CI-BUS systems



Flatsat Classic BT 50
 OPTIONS – TWIN: for 2 receivers
 Weight: about 8.8 kg
 Dish dimensions: 49x45.5 cm



Flatsat Classic BT 65
 OPTIONS – TWIN: for 2 receivers
 Weight: about 9.0 kg
 Dish dimensions: 63.5x59 cm



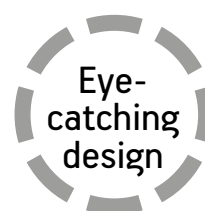
Flatsat Classic BT 85
 OPTIONS – TWIN: for 2 receivers
 Weight: about 10.8 kg
 Dish dimensions: 85x78 cm

Flatsat Easy BT

FULL HD

Flatsat Easy BT consists of:

- 1 External satellite antenna
- 1 DVB-S2 Control unit complete with leads
- 1 Control panel



Automatic Satellite Antenna HD with 16 saved Satellites. Equipped with DVB-S2 control unit with OLED display and 2 keys to start a satellite search or lower the dish. Can also be controlled via Bluetooth from your Smartphone via the TELECO App. The control unit also features a CI Bus port. All software updates - when made available on the TELECO App - can, in fact, be loaded directly by the user from a smartphone via Bluetooth. The Flatsat Easy BT is compatible with all TVs equipped with a DVB-S2 tuner and all Satellite receivers. Safety system with automatic closing of the antenna when the vehicle is started.



- Wall-mounted control panel with just two keys and display

Optional:



- SMART function When the user changes channel with the TV remote control the antenna automatically points itself at the satellite broadcasting the selected channel.



DVB-S2 HD Control Unit
Power supply 12/24 V DC (10-31 V DC)
Max. Consumption: 3.2 A
Dimensions: 160X115X25 mm Weight: 250 g



Compatible with CI-BUS systems



Flatsat Easy BT 70
OPTIONS – TWIN for 2 receivers
QUAD: for 4 receivers
Weight: about 10.5 kg
Dish dimensions: 72x67 cm



Flatsat Easy BT 90
OPTIONS – TWIN for 2 receivers
QUAD: for 4 receivers
Weight: about 11.6 kg
Dish dimensions: 91x85 cm

Flatsat Easy Skew BT Smart


FULL HD

Flatsat Easy Skew BT Smart consists of:

- 1 External satellite antenna
- 1 DVB-S2 Control unit complete with leads
- 1 Control panel



Automatic Satellite Antenna HD with 16 saved Satellites. Equipped with DVB-S2 control unit with OLED display and 2 keys to start a satellite search or lower the dish. Can also be controlled via Bluetooth from your Smartphone via the TELECO App. Alternatively, the wall-mounted control panel with just two keys and display can be used. The control unit also features a CI Bus port. The antenna that's SMART! When the user changes channel with the TV remote control the antenna automatically points itself at the satellite broadcasting the selected channel.

All software updates - when made available on the TELECO App - can, in fact, be loaded directly by the user from a smartphone via Bluetooth. Flatsat Easy Skew is compatible with all TVs equipped with a DVB-S2 tuner and with all Satellite receivers. Safety system with automatic closing of the antenna when the vehicle is started.



DVB-S2 HD Control Unit

Power supply 12/24 V DC (10-31 V DC)

Max. Consumption: 3.2 A

Dimensions: 160X115X25 mm Weight: 250 g



Compatible with CI-BUS systems



Flatsat Easy Skew BT SMART 70
 OPTIONS – TWIN for 2 receivers
 Weight: approx. 10.8 kg
 Dish dimensions: 72x67 cm



Flatsat Easy Skew BT SMART 90
 OPTIONS – TWIN for 2 receivers
 Weight: approx. 12.0 kg
 Dish dimensions: 91x85 cm

TeleSat BT

FULL HD

Telesat BT consists of:

- 1 External satellite antenna
- 1 DVB-S2 Control unit complete with leads
- 1 Control panel

Convenient choice!



HD Automatic Satellite Antenna with 16 saved satellites. Equipped with a DVB-S2 control unit with OLED display and two buttons to start a satellite search or lower the dish. Can also be controlled with a Smartphone via Bluetooth using the TELECO App. The control unit is also equipped with a CI Bus port. When made available on the TELECO App, all software updates can be uploaded directly with a smartphone via Bluetooth. The Flatsat Easy BT is compatible with all TVs equipped with the DVB-S2 tuner and all satellite receivers. Safety system with automatic closing of the antenna when the vehicle is started.



- Wall-mounted control panel with just two keys and display

Optional:

SMART

- SMART function When the user changes channel with the TV remote control the antenna automatically points itself at the satellite broadcasting the selected channel.



Bluetooth

DVB-S2 HD Control Unit
Power supply 12/24 V DC (10-31 V DC)
Max. Consumption: 3.2 A
Dimensions: 160X115X25 mm Weight: 250 g



Compatible with CI-BUS systems



Telesat BT 65
OPTIONS – TWIN: for 2 receivers
Weight: approx. 9.0 kg
Dish dimensions: 63.5x59 cm



Telesat BT 85
OPTIONS – TWIN: for 2 receivers
Weight: about 10.6 kg
Dish dimensions: 85x78 cm

FlatSat WiFi



Always connected

Combined Satellite and WiFi antenna

A technologically advanced solution that lets you receive both satellite signals and NR5G, 4G, LTE and 3G mobile phone signals and thus watch your favourite programmes on both a TV and a Tablet.

Two antennas in one**FULL HD**

FlatSat WiFi consists of:

- 1 External satellite antenna
- 1 External mobile phone antenna
- 1 DVB-S2 Control unit complete with leads

TAW85

Antenna for NR5G, 4G, LTE, 3G mobile phone and Wi-Fi signals.

Compact and high-tech. Can easily be installed on a camper/van roof. Equipped with a watertight cable gland so that satellite antenna cables can be inserted inside the vehicle. This antenna is equipped with a 5 m cable with connector. It is designed for quick connection to the WLT24EX2 Router (purchasable separately) which, via a SIM Card, generates a Wi-Fi source for SMART televisions, tablets, phones and computers.

HD Automatic Satellite Antenna. Equipped with a DVB-S2 control unit with 16 saved satellites. Has an OLED display and two buttons, one to start a satellite search with ease, the other to lower the dish. Can also be controlled with a smartphone via Bluetooth using the TELECO App. The control unit also has a CI Bus port. When made available on the TELECO App, all the software updates can be uploaded directly by the user with a smartphone via Bluetooth. The FLATSAT WiFi is compatible with all TVs equipped with the DVB-S2 tuner and with all satellite receivers. Safety system with automatic antenna closure when vehicle is started.

Optional:



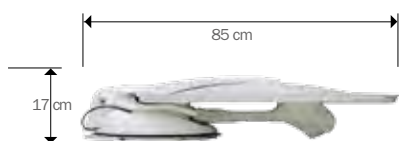
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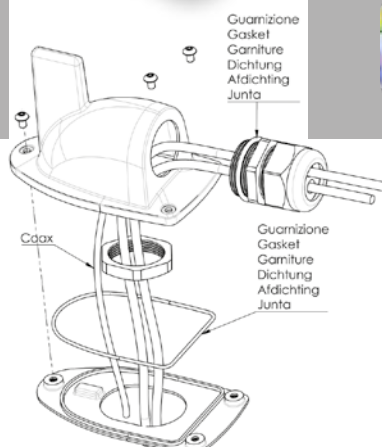
DVB-S2 HD Control Unit
Power supply 12/24 V DC (10-31 V DC)
Max. Consumption: 3.2 A
Dimensions: 160x115x25 mm Weight: 250 g



Compatible with CI-BUS systems



FlatSat WiFi
OPTIONS – TWIN for 2 receivers
Weight: approx. 9,0 kg
Dish dimensions: 63,5x59 cm



- 1) The compact, watertight housing contains a WLAN Internet antenna and a cable guide with 2 or 3 holes for the satellite antenna cables.
- 2) Mobile Internet antenna: TAW85 reception frequency: 700-6000 MHz
For 5G-4G-3G-WLAN signals
Gain: 6 dBi Max
- 3) 5 mm cable cross section, 5 m cable length with SMA connector for connection to the WLT24EX2 router
- 4) Dimensions: 121x63x84 mm

CombiSat WiFi



Always connected

Combined Satellite and WiFi antenna

A technologically advanced solution that lets you receive both satellite signals and NR5G, 4G, LTE and 3G mobile phone signals and thus watch your favourite programmes on both a TV and a Tablet.

Two antennas in one

FULL HD

Combisat WiFi consists of:

- 1 External satellite antenna
- 1 External mobile phone antenna
- 1 DVB-S2 Control unit complete with leads

TAW85

Antenna for NR5G, 4G, LTE, 3G mobile phone and Wi-Fi signals.

Compact and high-tech.

Can easily be installed on a camper/van roof. Equipped with a watertight cable gland so that satellite antenna cables can be inserted inside the vehicle. This antenna is equipped with a 5 m cable with connector. It is designed for quick connection to the WLT24EX2 Router (purchasable separately) which, via a SIM Card, generates a Wi-Fi source for SMART televisions, tablets, phones and computers.



HD Automatic Satellite Antenna. Equipped with a DVB-S2 control unit with 16 saved satellites. Has an OLED display and two buttons, one to start a satellite search with ease, the other to lower the dish. Can also be controlled with a smartphone via Bluetooth using the TELECO App. The control unit also has a CI Bus port. When made available on the TELECO App, all the software updates can be uploaded directly by the user with a smartphone via Bluetooth. The COMBISAT is compatible with all TVs equipped with the DVB-S2 tuner and with all satellite receivers. Safety system with automatic antenna closure when vehicle is started.

Optional:



- SMART function When the user changes channel with the TV remote control the antenna automatically points itself at the satellite broadcasting the selected channel.



DVB-S2 HD Control Unit

Power supply 12/24 V DC (10-31 V DC)

Max. Consumption: 3.2 A

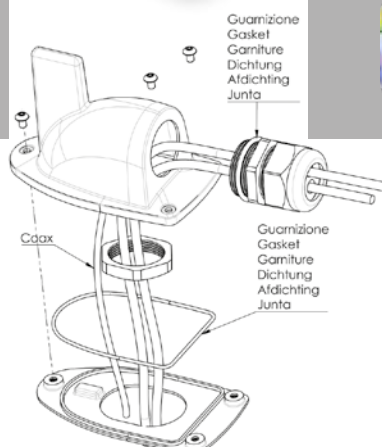
Dimensions: 160x115x25 mm Weight: 250 g



Compatible with CI-BUS systems



Combisat WiFi 65
OPZIONI - TWIN: per 2 ricevitori
Peso: kg 9,0 ca
Dimensione parabola: 63,5x59 cm



- 1) The compact, watertight housing contains a WLAN Internet antenna and a cable guide with 2 or 3 holes for the satellite antenna cables.
- 2) Mobile Internet antenna: TAW85 reception frequency: 700-6000 MHz
For 5G-4G-3G-WLAN signals
Gain: 6 dBi Max
- 3) 5 mm cable cross section, 5 m cable length with SMA connector for connection to the WLT24EX2 router
- 4) Dimensions: 121x63x84 mm

Carry Sat

FULL HD

A portable satellite kit that is easy to set up and dismantle.

Requires only minimal storage space.

The Carry Sat has been designed for rapid set-up and dismantling. The pre-assembled dish has a fold-down LNB arm and a two-part clamp to attach the mast, which reduces the time it takes to put the whole kit back in the locker to just a few seconds. It works with all types of satellite receivers.

To simplify alignment, we recommend using DSF90 HD.



Kit content:

- Aluminium tripod (TP3 ALU) with umbrella opening and closing action equipped with a rotating upper section for easy alignment of the dish.
- Pre-assembled satellite dish of either 65 or 80 cm with fold-down LNB support arm
- Low noise universal LNB
- 10 m lead with connectors
- 3 pegs for securing Carry Sat to the ground

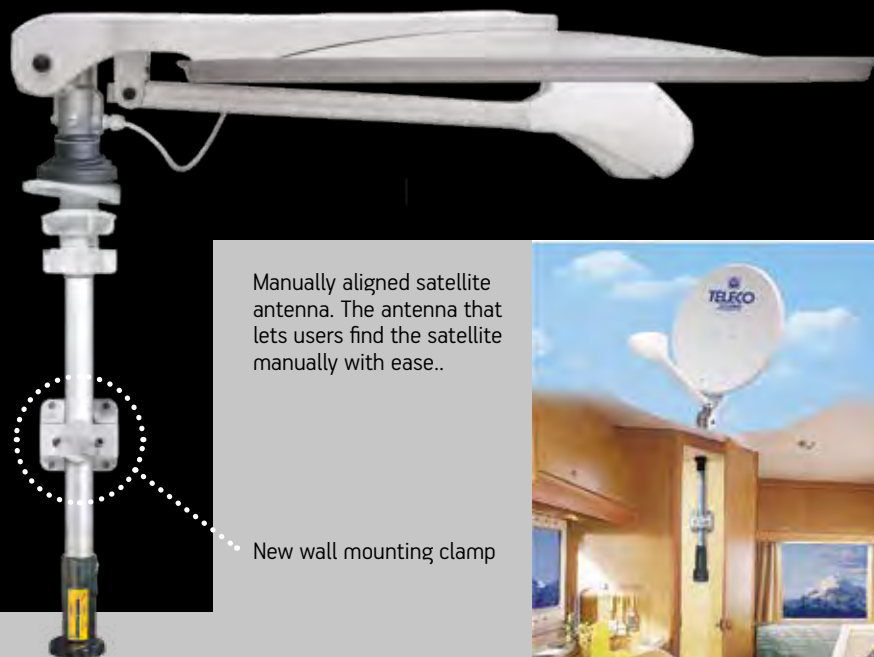
Available Models:

- CARRY SAT ALU 80 with 80 cm dish
- CARRY SAT ALU 65 with 65 cm dish
- The tripod is also available on its own, model TP3ALU





Manual and semi-automatic



Are you unable or unwilling to install an automatic satellite antenna on the roof? Then the Voyager series is the right choice for you. This antenna allows you to easily find the right satellite from inside your motorhome or caravan. While travelling, the dish is fully folded back on the roof.

- Height when folded is just 17-18 cm.
- The lightweight aluminium arm firmly supports the satellite antenna, offers better wind resistance and provides an excellent signal reception surface.
- Fully equipped and totally watertight passage through the roof.
- Corrosion resistant anodised aluminium mast with internal locking system.
- Satellite alignment accuracy is ensured by a fully watertight, high-precision mechanical reduction gear in oil bath.

Footprint: advice on choosing a satellite dish

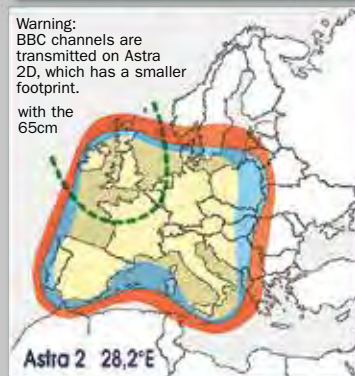
Reception of television and radio signals is guaranteed within the coloured areas (footprints). Cloud cover and rain could negatively affect reception of the satellite signal. So it is important, when choosing your satellite system, to check carefully that the dimensions of the dish are sufficient to receive a good satellite signal in the places that you will be visiting.

Footprint legend

85cm

65cm

50cm



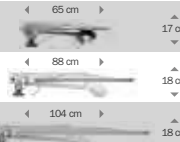
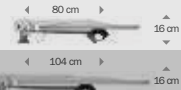
Satellite Antennas



VOYAGER G3

VOYAGER DIGIMATIC

MOTOSAT DIGIMATIC

HD/TV		✓	✓	✓
Digital tilt		✓	✓	✓
Electronic inclination				✓
LNB protective cover	For 65 and 85cm dish	For 65 and 85cm dish		
Mast length	33cm of 52cm	33cm of 52cm	33cm of 52cm	
				
Digital satellite search		✓	✓	
DSF90E:				
Number of satellites		8	8	
Signal quality indicator		✓	✓	✓
Digital tilt indicator		✓	✓	✓
Dimensions when closed	50cm 65cm 85cm			
Weight (approx.)	50cm 65cm 85cm	6.8kg 9.2kg 11.4kg	6.8kg 9.2kg 11.4kg	8.0kg 10.2kg
Dish dimensions	50cm 65cm 85cm	49x45.5 cm 72x67cm 91x85 cm	49x45.5 cm 72x67cm 91x85 cm	63.5x59cm 85x78 cm

Voyager G3



FULL HD

New wall mounting clamp



Manual satellite antenna with graduated scale on the mast

Voyager G3 has a graduated scale on the mast for quickly setting the inclination when aligning the dish, a task that can be carried out from inside the vehicle. In order to set the inclination correctly it is important that the vehicle is level, otherwise the angle of the vehicle will have to be added to or taken away from the inclination value of the dish. After having set the inclination, just rotate the dish southward by turning the mast from the inside and adjust the positioning by watching the picture on the screen. Would you like it to be even easier? Then maybe the Voyager Digimatic is the one for you.

CONTENTS OF EACH VOYAGER G3 KIT

- Satellite antenna complete with fold-down mast and connection cables
- Universal LNB
- Parabolic dish
- A detailed instruction manual

Long mast 52 cm



Voyager G3 50:
with dish
49x45.5 cm

Voyager G3 65:
with dish
72x67 cm

Voyager G3 85:
with dish
91x85 cm

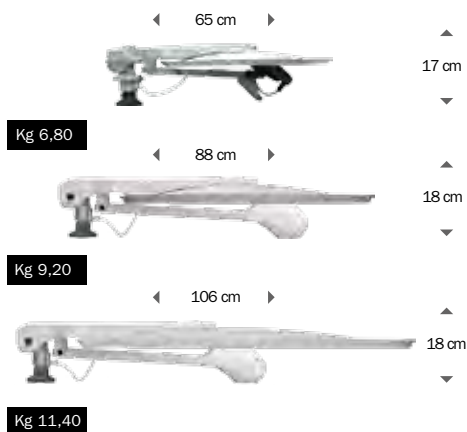
Short mast 33 cm



Voyager G3 SM 50:
with dish
49x45.5 cm

Voyager G3 SM 65:
with dish
72x67 cm

Voyager G3 SM 85:
with dish
91x85 cm



Voyager Digimatic



The Voyager Digimatic and Voyager G3 share the same design, but the former is equipped with a digital pointer and an electronic inclinometer.

With Voyager Digimatic the user can align the dish with the satellite desired manually in just a few quick and simple steps. Currently, the biggest difficulty in manually aligning a dish with a satellite broadcasting digital TV signals is the fact that there is a delay before the digital signals are displayed on LCD TV screens, and so the user is forced to carry out the alignment with a very slow movement in order to avoid the risk of going past the required satellite without realising it.

Voyager Digimatic is the solution to this problem. It is equipped with an electronic elevation meter that sends a reading to the display of the actual absolute value of the inclination of the dish, even if the vehicle is not level. The DSF90E/HD that is included indicates (directly) both the elevation and the strength of the signal. This makes it possible to quickly align this manual dish system with the desired satellite without the disadvantage of delayed signals.

DVB S2
FULL HD

CONTENT OF EACH VOYAGER DIGIMATIC KIT

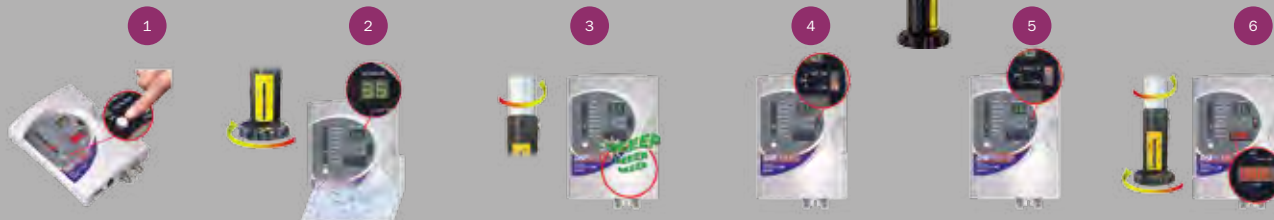
- Satellite antenna complete with fold-down mast and connection cables
- Universal LNB
- DSF90E/HD digital satellite finder
- Parabolic dish
- A detailed instruction manual

Allows for
extremely
fast
set-up



DSF90E/HD

How to use the DSF90E/HD



- 1) Select the satellite for the alignment (e.g. ASTRA 23).
- 2) Raise the dish until the correct elevation is indicated (see the elevation map).
- 3) Turn the dish SOUTHWARDS until the DSF90E/HD emits a continuous "BEEP".
- 4) Wait for the SAT OK LED to come on.
- 5) If alignment has been made with the wrong satellite, the SAT NOT OK LED will come on and the dish must be rotated again until the "BEEP" is heard again and the SAT OK LED comes on.
- 6) When the maximum number of LEDs are illuminated on the LEVEL indicator, the dish has been aligned properly.

Long mast 52 cm



Voyager Digimatic 50:
with dish
49x45.5 cm

Voyager Digimatic 65:
with dish
72x67 cm

Voyager Digimatic 85:
with dish
91x85 cm

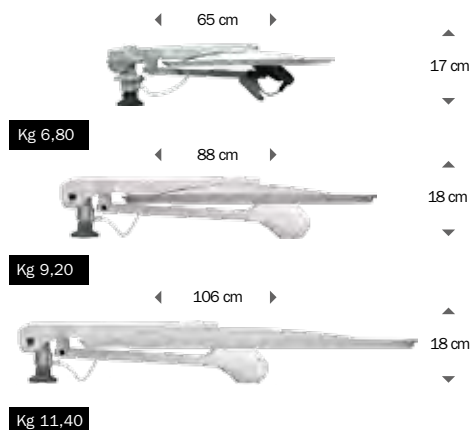


Short mast 33 cm

Voyager SM Digimatic 50:
with dish
49x45.5 cm

Voyager SM Digimatic 65:
with dish
72x67 cm

Voyager SM Digimatic 85:
with dish
91x85 cm



MotoSat DigiMatic

12 Volt
electric
motor

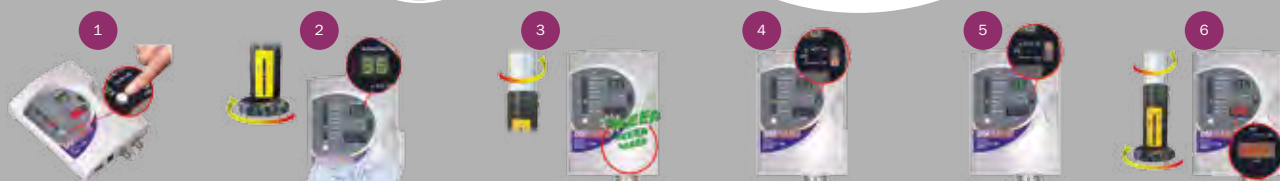
DVB S2

FULL HD



DSF90E/HD

How to use the DSF90E/HD



1) Select the satellite for the alignment (e.g. ASTRA 23). 2) Raise the dish until the correct elevation is indicated (see the elevation map). 3) Turn the dish SOUTHWARDS until the DSF90E/HD emits a continuous "BEEP". 4) Wait for the SAT OK LED to come on. 5) If alignment has been made with the wrong satellite, the SAT NOT OK LED will come on and the dish must be rotated again until the "BEEP" is heard again and the SAT OK LED comes on. 6) When the maximum number of LEDs are illuminated on the LEVEL indicator, the dish has been aligned properly.



Long mast 52 cm

MotoSat
Digimatic 65

MotoSat
Digimatic 85



Short mast 33 cm

MotoSat
Digimatic SM 65

MotoSat
Digimatic SM 85

Kg 8,0

◀ 80 cm ▶



MotoSat 65 Digimatic
with 63.5 x 59 cm dish

▲
16 cm
▼

Kg 10,2

◀ 101 cm ▶



MotoSat 85 Digimatic
with 85 x 78 cm dish

▲
16 cm
▼

DSF90 HD

DSF90E HD



Digital satellite precision aligners



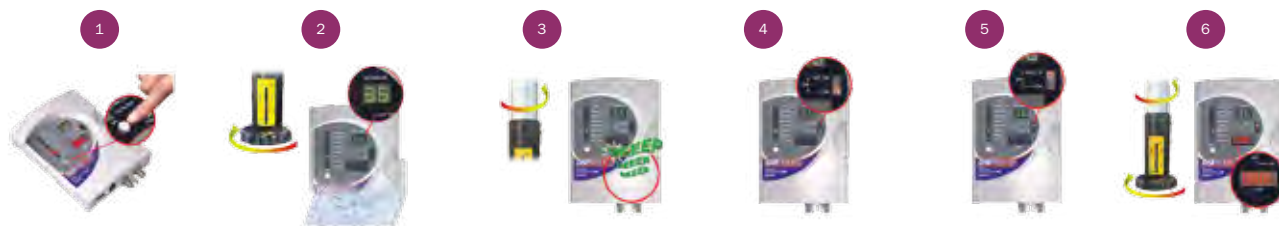
The DSF90 HD is compatible with all the manual satellite systems and enables the user to find the desired satellite in just a few quick and simple steps.

Currently, the biggest difficulty in manually aligning a dish with a satellite broadcasting digital TV signals is the fact that there is a delay before the digital signals are displayed on LCD TV screens, and so the user is forced to carry out the alignment with a very slow movement in order to avoid the risk of going past the required satellite without realising it.

The DSF90 HD is the solution to this problem. It has a meter that indicates immediately the strength of the signal being received from the desired satellite. Unlike ordinary dish aligners, there is no delay and, again unlike those systems, the DSF80 also tells you if the satellite you have found is the right one. There are 8 satellites pre-programmed in its memory.

The DSF90E/HD is the same as the DSF90 HD, but is specifically designed for Teleco Digimatic systems with incorporated electronic elevation detector.

As well as the functions described for the DSF90 HD, the DSF90E/HD also provides the effective elevation.



PROCEDURE

- 1) Select the satellite for the alignment (e.g. ASTRA 23).
- 2) Raise the dish until the correct elevation is indicated (see the elevation map).
- 3) Turn the dish SOUTHWARDS until the DSF90E/HD emits a continuous "BEEP".
- 4) Wait for the SAT OK LED to come on.
- 5) If alignment has been made with the wrong satellite, the SAT NOT OK LED will come on and the dish must be rotated again until the "BEEP" is heard again and the SAT OK LED comes on.
- 6) When the maximum number of LEDs are illuminated on the LEVEL indicator, the dish has been aligned properly.

ACCESSORIES

CGU2

2-USB battery charger for campers



Features

Input: 12V/24V (9-36V) DC

Output: 5V 2.1A

- 2 USB sockets to charge mobile phone and TKB25 wireless speaker kit simultaneously
- 12/24 DC connector with red adapter for cigarette lighter and vehicle internal light socket.



Motosat Kit

This kit transforms an existing manual Voyager system into a semiautomatic system.



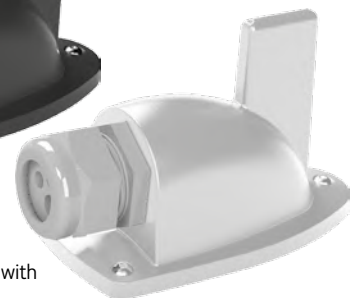
Now the dish's inclination can be adjusted using two buttons; the display shows the correct inclination to help you find the desired satellite as quickly as possible.

TAW85 - Black



TAW85 - White

Plastic roof cable box with antenna for NR5G, 4G, LTE, 3G mobile phone and Wi-Fi signals with SMA connector



SPCA

Aluminium lead-through box for the roof

SPC64 - Black

Narrow plastic rooftop cable holder box



SPC64

Narrow plastic rooftop cable holder box



SPCP

Plastic rooftop cable holder box



TTS TWIN SWITCH

for COMBISAT2 and COMBIMAX



DS2

TV splitter for COMBICAB and COMBIMAX



COMBISAT

To match FlatSat with ActivSatS

CAM modules



Tivùsat HD CAM module with Smart Card included for watching TivùSat (also HD) satellite programmes with TELECO televisions



FRANSAT HD CAM module with SMART CARD for France only suitable for TELECO TVs



TNT SAT HD 12 Vdc Receiver

Techwood TK90 TNT02B

12
Vdc

HD

DOLBY
DIGITAL PLUS

Only for
France



General Features

- 4000 Channels
- OSD language: French/English
- Automatic and manual search
- Automatic channel sorting
- Parental Lock
- Automatic muting
- Volume on remote control
- Teletext service
- Subtitles
- 7 days EPG
- Favourites lists
- Signal quality indicator
- Display with time and channels
- PVR recording and playback functions via USB port.
- MIR remote control extender

Connections

- 1 MIR remote control extender
- 1 Scart socket
- 1 USB 2.0 port for PVR
- 1 Optical digital audio output
- 1 RCA Audio Video output
- 1 HDMI output
- Power supply: 12 V DC
- Consumption in operation: 7.5W
- Consumption in standby mode: 1W
- Dimensions: 231x138x38 mm

PVR function via USB

Support for the following files: mp3, jpeg video, mkv, h 264.

TV programmes can be recorded on USB flash drive or external hard drive with TIME SHIFT, EPG and TIMER functions.

DVB-T2 terrestrial antennas



Teleplus X2

The design and production of this antenna stems from the experience and great success achieved in recent years with the TELEPLUS antenna.

DVB T2 HEVC
ULTRA HD 4K

FILTER
5G

DAB+
Digital Audio Broadcasting

FILTER
LTE

**Dual
polarity
38db**

Great care has been given to increasing the gain curve resulting in an even higher sensitivity to weak signals. The introduction of the POLARITY ORIENTATION MECHANISM also allows you to get the best reception of all TV signals (digital and analogue) that are transmitted with both HORIZONTAL and VERTICAL polarity. (With the advent of digital transmission, signals with VERTICAL polarity are enhanced in certain countries such as Italy and Britain). A low noise amplifier is included; this has a variable gain that operates at both 12 and 24 V DC.



Zamak mechanism for
HORIZONTAL and VERTICAL
polarity adjustment from inside
the vehicle

Wedge shaped spacer
for perfect adaptation
to any roof shape

Simple, safe mast lock
system

Teleplus X2 /39U

- UHF
- Dual polarity
- High 38 dB gain (with amplifier)

Gain with amplifier:: 38 dB channels 21-48 (UHF)

Power supply: 12 V DC-24 V DC.

with 39 cm mast for installation inside a suspended wall unit.

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 700 - 800 MHz band).

Horizontal
reception
diagram



ULTRA HD
4K

FILTER
5G
FILTER
LTE

DVB T2 HEVC
DAB+
Digital Audio Broadcasting



Teleplus X2

Teleplus X2 /165VU

Teleplus X2 /110VU

Teleplus X2 /5 1VU

- VHF - UHF
- Dual polarity
- High 38 dB gain (with amplifier)

Gain with amplifier::

38 dB channels 21-48 (UHF)

22 dB channels E5 - E12 (VHF BIII)

Power supply: 12 V DC-24 V DC.

Teleplus X2/165 VU: with 165 cm mast

Teleplus X2/110 VU: with 110 cm mast

Teleplus X2/51 VU: with 51 cm mast

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 700 - 800 MHz band).

Horizontal
reception
diagram



ULTRA HD
4K

FILTER
5G
FILTER
LTE

DVB T2 HEVC
DAB+
Digital Audio Broadcasting



Teleplus 3G



DVB T2 HEVC
ULTRA HD 4K

DAB+
Digital Audio Broadcasting

Directional antenna for 36 dB digital terrestrial signals

FILTER
5G

FILTER
LTE

Equipped with LTE suppressor filter



- High Gain for reception of even the weakest signals
- Exceptionally good directional adjustment to suppress noise
- Zamak mast connector
- Gain with variable amplifier: UHF 36 dB - VHF-B3 22 dB - VHF-BI 20 dB
- Powered at 12/24 Volts
- Recommended that it be used with SF165 telescopic mast (optional)

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 700 - 800 MHz band).

Kit content:

- 1 antenna UHF - VHF (B3)
- 1 adjustable-gain amplifier with 3 TV outputs + a DAB and FM output
- 1 Ø 30 mast connector with 5 m cable



Telescopic mast for motorhomes and caravans



SF 165 - SF 50

Enables you to easily re-orientate your TV antenna without having to leave the vehicle. Water-tight fit guaranteed by double O-ring system. Corrosion-resistant anodised aluminium. Fully equipped for connection to any type of antenna.

TECHNICAL SPECIFICATION

- SF 50: Length: 50 cm
- SF 165: Length: 165 cm
- Diameter: from 30 to 34 mm (can be adjusted)
- SF 165: Weight: 1.1 kg
- SF 50: Weight: 0.5 kg

Teleplus

Directional antennas for DVB-T2 digital terrestrial signals

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 700 - 800 MHz band).

Technical specifications
 Channels: 5 - 12 21 - 48
 Gain with amplifier: (dB) 22 36
 Power supply type: 12 / 24 V
 Length: 50.5 cm
 Width: 40 - 70 cm
 Weight: 1.8 kg

Package contents
 TV Antenna with attachment bracket for mast, with diameter of 25 to 50 mm
 1 Adjustable-gain amplifier with 2 TV outputs +1 Radio DAB and FM output
 5 metres of 75 Ohm coaxial cable with three F connectors.



Weekend Super

Omnidirectional antennas for DVB-T2 terrestrial digital signals

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 700 - 800 MHz band).

Technical specifications
 Channels: 5 - 12 21 - 48
 Gain with amplifier: (dB) 9 26
 Power supply type: 12 / 24 V
 Diameter: 28 cm
 Height: 12 cm
 Weight: 0.7 kg

Package contents
 1 TV Antenna with universal bracket for attachment to roof or mast (Ø 32-34 mm)
 1 Adjustable-gain amplifier with 2 TV outputs +1 Radio DAB and FM output
 5 metres of 75 Ohm coaxial cable
 Three F connectors



Yachting 11

Omnidirectional antennas for DVB-T2 terrestrial digital signals

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 700 - 800 MHz band).

Technical specifications
 Channels: 5 - 12 21 - 48
 Gain with amplifier: (dB) 16 26
 Power supply type: 12 / 24 V
 Diameter: 38 cm
 Height: 16.5 cm
 Weight: 1.4 kg

Package contents
 1 TV Antenna with universal bracket for attachment to roof or on mast (Ø 32-34 mm)
 1 Adjustable-gain amplifier with 2 TV outputs +1 Radio DAB and FM output
 5 metres of 75 Ohm coaxial cable
 Three F connectors



Walkie 22

Omnidirectional antennas for DVB-T2 terrestrial digital signals

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones. (Only for countries that have already incorporated LTE transmissions in the 700 - 800 MHz band).

Technical specifications
 Channels: 5 - 12 21 - 48
 Gain with amplifier (dB): (dB) 22 26
 Power supply type: 12 / 24 V
 Diameter: 38 - 88 cm
 Height: 16.5 cm
 Weight: 1.4 kg

Package contents
 1 TV antenna with universal support for attachment on roof or mast (Ø 32-34 mm)
 1 Adjustable-gain amplifier with 2 TV outputs +1 Radio DAB and FM output
 5 metres of 75 Ohm coaxial cable
 Three F connectors



Wing•Wing11•Wing 22

Omnidirectional TV antennas for high speed camper vans

The Wing, Wing 11 and Wing 22 series of antennas have been designed to receive all digital terrestrial signals. Particular attention was given to creating an ultra-aerodynamic shape to enable it to be installed on the fastest of motorhomes. It is also equipped with a special, ergonomic foot that allows the antenna to be tilted in any direction, thus making it easy to install on even the most streamlined roofs of latest generation motorhomes and caravans.

DVB T2 HEVC
ULTRA HD 4K

FILTER
LTE 5G



3-axis rotation for optimal alignment with respect to the roof, thus allowing easy installation also on latest-generation motorhomes and caravans



Wing Digital Terrestrial

The MINI antenna (just 31 cm diameter) specially designed to receive UHF channels. A special configuration of the circuit combined with a high gain amplifier enables reception of VHF B3 programmes too.



Omni-directional antennas 360° 26 dB UHF – 9 dB VHF- B3

Horizontal
reception
diagram



Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones..

Gain with amplifier::
CH 5-12 9 dB
CH 21-48 26 dB

Power supply: 12/24 Volt
Diameter: 31 cm
Height: 16.5 cm
Weight: 1 kg

Package contents

1 Antenna, complete with 5 m coax cable and 3 F connectors
1 Adjustable gain amplifier, with 2 outputs for 3 TV+1 Radio DAB and FM output, operating at 12 and 24 V DC

Wing 11 Digital Terrestrial

The high sensitivity of the electronic amplifier combined with a special antenna design lets you receive TV programmes at lower frequencies while keeping external dimensions to just 38 cm.



Omni-directional antennas 360° 26 dB UHF 16 dB VHF- B3

Horizontal
reception
diagram



Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones.

Gain with amplifier::
CH 5-12 16 dB
CH 21-48 26 dB

Power supply: 12/24 Volt
Diameter: 38 cm
Height: 16.5 cm
Weight: 1.2 kg

Package contents

1 Antenna, complete with 5 m coax cable and 3 F connectors
1 Adjustable gain amplifier, with 2 outputs for 3 TV+1 Radio DAB and FM output, operating at 12 and 24 V DC

Wing 22 Digital Terrestrial

The combining of two antennas has resulted in this DUAL POWER antenna that provides excellent performance levels even for programmes on lower frequencies (VHF - B3). In addition, the use of a low-noise amplifier enables reception of even very weak signals.



Omni-directional antennas 360° 26 dB UHF 22 dB VHF- B3



Horizontal
reception
diagram

Equipped with LTE Suppressor Filter to eliminate any disturbance caused by new 4G / 5G Smartphones.

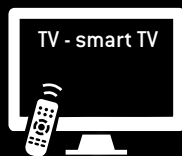
Gain with amplifier::
CH 5-12 22 dB
CH 21-48 28 dB

Power supply: 12/24 Volt
Diameter: 38 - 88 cm
Height: 16.5 cm
Weight: 1.4 kg

Package contents

1 Antenna, complete with 5 m coax cable and 3 F connectors
1 Adjustable gain amplifier, with 2 outputs for 3 TV+1 Radio DAB and FM output, operating at 12 and 24 V DC

TELECO-CONNECT WING-LAN 11



ULTRA HD
4K

2G • 3G • 4G • 5G



SMA
Connector



Internet Antenna 2G-3G-4G-5G

+Omnidirectional TV Antenna + Radio



The **Wing-Lan 11** integrates an omnidirectional TV antenna for **DVBT/T2 digital terrestrial** and **DAB+** radio signals with a high-efficiency internet antenna for 2G-3G-4G-5G signals. When paired with the TELECO router, it sets up a **WLAN WIFI** hotspot for browsing the internet, streaming and watching your favourite programmes.



DVB-T2 HEVC **DVB-T** **t d t** **TNT** **FILTER LTE** **FILTER 5G**



Horizontal reception diagram

Channels: 5-12 / 21-48

Gain with amplifier:

CH 5-12 16 dB

CH 21-48 26 dB

Power supply: 12/24 Volt

Diameter: 38 cm

Height: 16,5 cm

Weight: 1,2 kg

Internet signals. Reception frequencies:

5G: 700(B28) MHz

4G LTE: 800(B20)

900(B8)

1800(B3)

2100(B1)

2600(B7) MHz

3G UMTS: 900/1800/2100 MHz

GSM: 900 / 1800 MHz

Includes:

1 Antenna with 5m DVBT/T2 coaxial cable, 5m SMA 2G-3G-4G-5G coaxial cable and 3 F connectors

1 Adjustable gain amplifier with 3 outputs for 3 TV+1 DAB and FM radio outputs, operating at 12 and 24 Vdc



Router 5G WLT58



Portable 12Volt Wi-Fi Router - 2 SIM Cards - Wi-Fi7

The WLT58 is a portable 5G router operating at 12 Vdc, capable of transforming any 2G/3G/4G/5G mobile phone signal into Wi-Fi via data SIM card (not supplied). Thanks to the two SIM card slots, you get to choose the mobile operator that provides the best signal in your location. It is compatible with all 4 mobile phone bands (5G LTE/4GLTE/3G/GSM).

The package includes two additional TS-9 antenna inlets and TS-9/SMA-F conversion cables to connect an external MIM02 antenna TAW85 M2 (not supplied).



Wi-Fi hot spot for camper



TAW85 M2
Optional: External
antenna for router
MIMO2

TS-9 SMA

**Wall mounting
bracket**

Specifications

Standard	Compatible with Sub 6GHz, 802.11 a/b/g/n/ac/ax/be
Frequencies	[5G NR]: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78/n79 [LTE]: B1/B3/B5/B7/B8/B20/B28/B32/B38/B40/B41/B42/B43/B71 [UMTS]: B1/B5/B8
WiFi-7	2.4GHz-5GHz, WiFi 2*2 MIMO, 802.11 a/b/g/n/ac/ax/be DBDC BE 5000, compatible Easy mesh R4
5G SA NSA Mode	5G NR: (DL/UL) 4Gbps / 900Mbps
Max data transmission speed	LTE: (DL/UL) 2.0Gbps / 200Mbps
Diversity function	Supported
MIMO	DL 4x4 MIMO
Chipset	Qualcomm SDx72-0
Memory	Modem: 16Gb EMMC+8Gb LPDDR4
Power consumption	< 24W
Power supply	DC 12V/2A
USOM/SIM	Supports SIM/USIM/UIM, standard 6 PIN SIM card, 3V/1.8V SIM card, internal push-pull SIM slot
LED	Indication of 12V presence; Indication of WiFi; Indication of 5G, 4G
USB	USB 2.0
Antennas	6 LTE/NR, N41/77/78/79 8dBi high gain antennas, 2*TS-9 antenna connectors
Buttons	Power supply, Reset, WPS
Ethernet port	1*WAN + 1*LAN, 1*1.0 Gbps
Voice	1*RJ11, support VoIP/VoLTE/VoNR
Reset	Pinhole
NFC	Supports WIFI connection with NFC
ESD	ESD circuit protection, Contact }8KV, air }10KV
Temperature for Operation	0 °C ~ +45 °C
Temperature for storage	-20 °C ~ +70 °C
Humidity	5% ~ 95%
Dimensions	100x100x180 mm

WLT24EX2 Wi-Fi Router 4G



Portable 12Volt WiFi router 4G with WiFi signal repeater.

The WLT24EX2 is a portable 12Vdc router that can turn any mobile signal into WiFi via a data SIM card (not included). It is compatible with all mobile signal bands (LTE/4G/3G), and can act as a **WiFi signal repeater** by distributing any WiFi signal from nearby sources into the motorhome.

TECHNICAL FEATURES WLT24EX2

- LTE/4G/3G reception frequencies 800(B20), 900(B8), 1800(B3), 2100(B1), 2600(B7).
- 2 internal 3G-4G-LTE-Wifi antennas
- WiFi signal repeater
- 2 SMA plugs for connecting an external antenna on the roof of the vehicle
- 2 SIM card readers
- 1 Ethernet port
- LTE category 4
- LTE DL 150Mbps/UL 50Mbps
- DC power supply: 10.5/14.5V/1A
- Dimensions: 151 x 150 x 48 mm

Dimensions:
151x150x48 mm



SMA Connector

Wi-Fi hot spot 4G for camper



Should you decide to park your motorhome or caravan on a campsite where 2G - 3G - 4G telephone signals are strong enough, you can always opt for a simpler solution consisting of the WLT24EX2 kit with high performance external antenna. This solution lets you pick up the mobile phone signals available in the parking area with your WLT24EX2 Router (equipped with a suitable SIM Card, not supplied) and turn your vehicle into a small, personal Wi-Fi control unit capable of handling up to 4 devices simultaneously.

With the WLT24EX2 you'll no longer be a slave to the Wi-Fi signal broadcast by the campsite which can, at certain times, be so busy you'll be unable to connect even when very close to the source.

Why install a Wi-Fi router on your camper or caravan? Because the WLT24EX2 Router has much higher 2G-3G-4G signal reception sensitivity than standard cell phones and can therefore act as an excellent Wi-Fi source, serving up to 4 devices (tablets, phones, smart TVs) in the area around your vehicle. The external antenna, then, installed on the vehicle roof, can receive open-air mobile signals and provide - without the obstacles normally present inside the camper - the Router with higher signal intensity.

PURCHASABLE SEPARATELY





WiFi System 4G for Motorhomes and Caravans

Wi-Fi System 4G Technical Specifications

- Mobile phone standards supported: 3G, 4G, LTE (Bands 3-7-20)
- WiFi antenna: MIMO 2x2 - MIMO 1x1 with antenna TAW85 and MIMO 2X2 with TAW85 M2 antenna
- WLAN frequency bands: 2.4 GHz
- Download transfer rate: min. 150 Mbit/s
- WiFi Repeater function
- Internal WLAN antenna gain: 3-4 dBi
- External TAW85 and TAW85 M2 antenna gain: +6 dBi Max.
- LED display on Router: On-Off, Network Strength with 4 levels , 2 SIM Cards, WiFi, 4G
- Router power consumption: approx. 250 mA /12 Vdc
- Router weight approx. 500 g
- Antenna construction TAW85 M2: Watertight with base glued to the roof.
Can be installed in roof grooves of camper vans
- Dimensions of Router 151X150X48 mm.
Easy wall installation with TRB4 wall bracket

• ECE R10 certified

KIT composition

- Antenna TAW85 M2* + Router WLT24EX2 with TRB4 Bracket + 22" TEK22W11 SMART TV
- * (TAW85 M2 Mobile Internet Antenna, 2x2 MIMO for Router.
- Two colours available Black and White)



TAW85 M2 Internet Mobile Antenna, MIMO 2x2 per Router.

T-NSA10DAB Android multimedia Monitor



Android multimedia monitor. 10.1 inch screen with 2 DIN frame and built-in DAB receiver

Google's Android operating system offers the simplicity, practicality and performance needed to take your multimedia experience to the next level. The extremely thin, tilt-adjustable display allows easy installation on vehicles with a 2 DIN housing..



android 10



Netflix preinstallato



Radio DAB+ ready



TA11 DAB (optional)

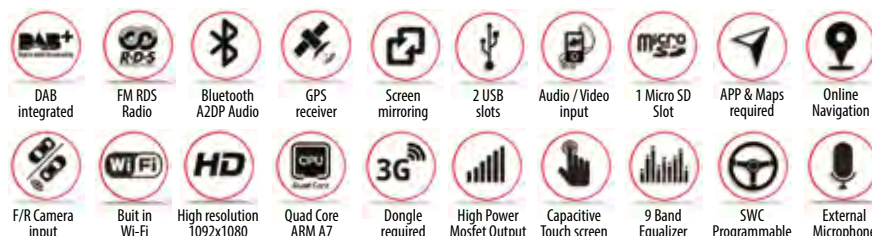
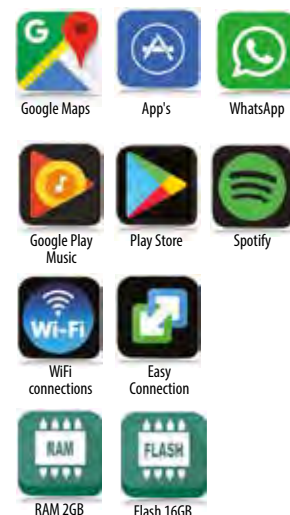


Functions

- FM/AM tuner with RDS
- Built-in DAB/DAB+ radio, DAB antenna included
- Built-in GPS receiver
- On-line navigation
- Network G-Wi-Fi- Hotspot
- Bluetooth speaker
- A2DP music streaming
- Mirror function towards smartphones via EasyConnection app
- USB memory reader (2 rear)
- Frontal micro SD reader
- Multilingual system
- RGB lighting
- Selectable 7-colour GUI
- Personalised welcome logo
- Built-in programmable SWC
- Rear video camera input
- Front camera input

Specifications

- Android 10 operating system
- CPU Quad Core ARM A7 4*1.2 GHz
- RAM memory 2GB DDR3
- Flash 16 memory
- 10.1 inch touchscreen
- Resolution 1920x1080 pixels
- Amplifier 4*45W Mosfet Output
- 4 pre-amplified audio outputs
- 1 pre-amplified subwoofer output
- 9-band graphic equalizer
- 1 audio-video input
- 2 GIF/PNG video outputs
- Rear video camera input
- Front camera input
- Music formats: MP3, WMA, AAC, RM, FALC etc.
- Video formats: MPEG-1/2/4, H264, H263, VC1, RV, RMVB, DivX, Sorenson Spark, Spark, VP8, AVS Stream
- Image formats: JPG/BMP/JPEG/GIF/PNG



For those who prefer traditional navigation with off-line maps, the device can be equipped with the Europe (44 countries) navigation map. The software is based on the iGO primo nextgen system for T-NSA10DAB.

N.B. the off-line navigation software must be purchased separately.

Maximum connectivity with the DAB receiver

T-CPA 70 DAB CarPlay™



6.8" monitor with CarPlay™, Android Auto™ and Online-Navigation

Ideal for all those who want full smartphone integration with their infotainment system.

The T-CPA70 DAB CarPlay™ lets users connect latest-generation smartphones via CarPlay™ and Android Auto™.

Complete with DAB/DAB+ receiver, Online Navigation, phone, music and much more.

Phone, music and other functions can be conveniently and securely voice-controlled.



T-CPA70 DAB CarPlay™ requires a DAB antenna

Functions

- AM/FM radio with RDS, TP and AF
- DAB/DAB+ radio
- USB memory reader on rear
- CarPlay™
- Android Auto™
- Bluetooth for hands-free conversations and contacts list
- Bluetooth audio streaming
- Video input for rear-view camera
- Compatible with multi-function steering-wheel (resistive interface)
- Dual red-white lighting

Specifications

- 2 ISO size (93 x 172 mm)
- 6.8" WVGA capacitive touchscreen
- Compatible audio formats: MP3/WMA/FLAC
- Compatible video formats: MPEG/AVI/DIVX/JPG
- Graphic equalizer
- Adjustment of subwoofer level and • cutoff frequency
- 4+1 PreOut
- Amplification 4x40 Watt



androidauto



Video cameras and Monitors for Motorhomes



TRC 14 CCD

Rear-view camera

- CCD SONY 1/4
- Wide-angle 110°
- High resolution
- dim infrared LEDs < 0.1 Lux
- Microphone
- Mirror function
- Heater function
- 20 m cable
- Silver or white casing
- Casing in anodized cast aluminium with P69K salt-resistant treatment



TRC 13S CCD

Rear-view camera with automatic shut-off

- Automatic motorized lens
- SONY colour CCD camera 1/3
- Wide-angle 130°
- dim infrared compensation LEDs < 0.1 Lux
- Microphone
- Mirror function
- Heating element with temperature control
- Electronic regulation of light intensity
- 20 m cable
- Casing in powder coated anodised cast aluminium protective cover and stainless steel bracket



TRCL CMOS

Side-view camera

- Wide-angle lens 130°
- High resolution
- Infra-red 0.5 Lux LEDs for night vision
- Microphone
- Adjustment angle on basis of vehicle characteristics
- Flexible support for normal rear view, support for reverse drive view, left and right side view
- Weather resistant IP67K casing, IP67K



TP7HR/2

High resolution 7" LCD monitor for 2 video cameras

- 7" TFT panel /16:9 800x480 pixels
- High brightness 1600 cd/m2
- Video input 1V ± 20%750hm
- Audio input 400mA/1W
- Audio output 1W
- Power Supply 12-32V DC
- Consumption in standby mode <50mA
- TV system PAL/NTSC
- Working temperature -15°C - +65°C
- Complete with:
 - Connecting cables
 - Support foot
 - Sunshade



TP7HR/4

High resolution 7" LCD monitor for 4 video cameras

- 7" TFT panel /16:9 800x480 pixels
- High brightness 1600 cd/m2
- Video input 1V ± 20%750hm
- Audio input 400mA/1W
- Audio output 1W
- Power Supply 12-32V DC
- Consumption in standby mode <50mA
- TV system PAL
- Working temperature -15°C - +65°C
- Complete with:
 - Connecting cables
 - Support foot
 - Sunshade





Televisions

LED

for Campers and Caravans

New-concept TEK TVs have a Wide Viewing Angle ($178^{\circ} \times 178^{\circ}$), a DVB-S2 satellite input and DVB-T2 HEVC terrestrial input + Cable. They are equipped with special software that automatically associates every country with its programme list. So if the user selects Germany, he/she will automatically be given a list of German programmes; if France is selected the list of French programmes is provided and so on.

This makes setting up the TV in the factory or at the dealership quick and easy. For all campers going to France the country France is selected and the French programme list is automatically loaded. For those going to Germany the German list is selected and so on.

You can control the antennas with TEK TV remote controls via the ON and PARK buttons



TKB25 - Kit

The Kit consists of a small wireless Audio Transmitter, easily applicable to every Teleco TV, and a high quality wireless Speaker able to reproduce and boost, via wireless, the audio level of your Teleco TV. The wireless Speaker can also be used to play Music from a Smartphone



TKB25
How to increase the Audio Level of your TV with the Teleco wireless kit.



TEK22D

TEK22DE

with DVD without stand



TEK22E

without DVD and stand



22" HD TV FOR CARAVANS AND MOTORHOMES WITH DVD PLAYER

DVB-S2 SATELLITE RECEIVER WITH INTEGRATED DVB-T2 HEVC TERRESTRIAL RECEIVER

FRANSAT AND M7 WITH FAST SCAN FUNCTION

- 9 - 32 V DC or 230 V AC power supply
- DVD reader
- USB port with PVR Multimedia function to play video and audio content
- 21.5" FHD screen (56 cm diagonal)
- 5,000 satellite and 1000 terrestrial channels with LCN
- OSD in 8 languages
- Teletext
- Timer
- Parental Lock
- Audio power 2.5 W with equalizer

FULL HD

DVB S2

DVB T2 HEVC 10 Bit

DVB C

9-32 Vdc

CONNECTIONS

- 2 HDMI sockets
- 1 SCART socket
- 1 AV input for headphones
- 1 AV IN input
- 1 YPBPR socket (Mini)
- 1 CI+ port
- 1 RL Audio Out socket
- 2 USB multimedia ports
- 1 power socket
- 9 - 32 V DC
- 1 ON-OFF switch

TECHNICAL SPECIFICATIONS

- 1 WGA resolution (1920x1080)
 - Viewing angle H178°, V178°
 - 1 Brightness 200 CD/m2
 - 1 Contrast 1000:1
 - 1 Response time 5 mS
 - DVB-S2 satellite
 - DVB-T2 H.265 terrestrial
- Weight: 2.8 kg
Dimensions without feet: 507 x 50 x 310 mm

FULL HD

DVB S2

DVB T2 HEVC 10 Bit

DVB C

9-32 Vdc

24" HD TV FOR CARAVANS AND MOTORHOMES WITH DVD PLAYER

DVB-S2 SATELLITE RECEIVER WITH INTEGRAL DVB-T2 HEVC TERRESTRIAL RECEIVER

FRANSAT AND M7 WITH FAST SCAN FUNCTION

- 9 - 32 V DC or 230 V AC power supply
- DVD reader
- USB port with PVR Multimedia function to play video and audio content
- 24" FHD screen (60 cm diagonal)
- 5,000 satellite and 1000 terrestrial channels with LCN
- OSD in 8 languages
- Teletext
- Timer
- Parental Lock
- Audio power 2.5 W with equalizer

CONNECTIONS

- 2 HDMI sockets
- 1 SCART socket
- 1 AV socket for headphones
- 1 AV input
- 1 YPBPR socket (Mini)
- 1 CI+ port
- 1 RL Audio Out socket
- 2 USB multimedia ports
- 1 power socket 9 - 32 V DC
- 1 ON-OFF switch

TECHNICAL SPECIFICATIONS

- WGA resolution (1920x1080)
 - Viewing angle H178°, V178°
 - 1 Brightness 200 CD/m2
 - 1 Contrast 1000:1
 - 1 Response time 5 mS
 - DVB-S2 satellite
 - DVB-T2 H.265 terrestrial
- Weight: 2,5 kg
Dimensions without feet: 507 x 50 x 310 mm

FULL HD

DVB S2

DVB T2 HEVC 10 Bit

DVB C

9-32 Vdc



SMART TV



SMART TV

Internet directly on the TV of your Camper or Caravan with TELECO SMART TVs

Your TV transformed into a MEGA Smartphone with incorporated Wi-Fi.

Your TV transformed into a MEGA Smartphone with incorporated WI-FI. You can connect directly to a portable Wi-Fi Router with SIM Card (e.g. WIFI VAN T402) and use the Internet directly via the remote control.

Download the most popular Apps and connect to your favourite social media: FaceBook, Instagram, WhatsApp, YouTube etc. Perform Google searches and download films and Video games. You can also watch your favourite NETFLIX series.

With the supplied Miracast App you can transfer photos and videos directly from your smartphone to the TV and enjoy them on a much larger screen.

Ready to receive DVB-S2 satellite, DVB-T2 HEVC terrestrial and DVB-C cable programmes

Power supply: 12-24 Volt from battery and 230 V AC from mains power ON-OFF switch

Remote control with two additional keys to pilot the Teleco automatic satellite antenna

5000 satellite channels - 1000 TV channels

Preset satellite channel lists for most European countries: Germany, France, Holland-Belgium, Switzerland, Italy, Austria, Norway, Sweden, Finland, Denmark, Croatia, Hungary, Romania, Slovenia etc.

DVB S2 DVB T2 HEVC 10 Bit DVB C FULL HD M7 Group FRANSAT TELEVISION NUMERIQUE CI+



Remote control function

You can control the antennas with TEK TV remote controls via the ON and PARK buttons

SMART TV



MODEL	TEK15 W9 SMART	TEK19 W9 SMART	TEK22E W11 SMART
PANEL			
Screen Size (diagonal)	15,6 " TFT-LED	19 " TFT-LED	21.5" TFT-LED
Backlight	ELED	ELED	ELED
Resolution	1920x1080	1920x1080	1920x1080
Response Time (typical)	15ms	5ms	5ms
Brightness (cd/m2, typical)	200cd/m2	200cd/m2	200cd/m2
Contrast Ratio (typical)	1500:1	3000:1	3000:1
Viewing Angle Degree (H/V)	H:170°, V:170°	H:178°, V:178°	H:178°, V:178°
Frame Rate	60Hz	60Hz	60Hz
Aspect Ratio	16:9	16:9	16:9
TV System			
Support H.265	YES	YES	YES
Teletext	1000 pages	1000 pages	1000 pages
Noise Reduction	YES	YES	YES
Bluetooth Version	V4.2	V4.2	V4.2
Android solution	Android 9.0	Android 9.0	Android 11
AUDIO			
Audio Output	2*5W	2*5W	2*5W
INPUTS AND OUTPUTS			
TV Tuner	x2	x2	x2
RJ45	x1	x1	x1
CI +	x1	x1	x1
COAX	x1	x1	x1
HDMI	x2 (CEC,ARC, MHL)	x2 (CEC,ARC, MHL)	x2 (CEC,ARC, MHL)
USB	x2	x2	x2
EARPHONE	x1	x1	x1
AV IN (MINI)	x1	x1	x1
RL AUDIO out	x1	x1	x1
POWER CONSUMPTION			
Power Supply	AC100V-240V DC 9-32V	AC100V-240V DC 9-32V	AC100V-240V DC 9-32V
Power Consumption (W)	<18W	<26W	<28W
Standby Power Consumption	<0.5W	<0.5W	<0.5W
REMOTE FEATURE			
EPG	YES	YES	YES
Sleep Timer	YES	YES	YES
ACCESSORIES			
Remote Control	YES	YES	YES
Mini AV lead	YES	YES	NO
Cigarette lighter	YES	YES	NO
Power Cord & Adaptor	YES	YES	NO
CASE			
Cabinet Colour	Black	Black	Black
Desk Top Stand	YES	YES	YES
Vesa Pattern	100x100mm	100x100mm	100x100mm
DIMENSIONS			
Net weight (kg)	1,6	2,1	2,5
Gross weight (kg)	2,3	3,3	3,5
Product Dimensions without stand (mm)	376 x 240 x 54 mm	444 x 271 x 46 mm	501 x 304 x 49 mm



TEK24E W11 SMART	TEK32E W11 SMART	TEK40S SMART
24" TFT-LED	31.5" TFT-LED	39.5" FHD
ELED	ELED	ELED
1920x1080	1920x1080	1920x1080 (1080p)
5ms	8ms	8ms
200cd/m2	200cd/m2	250cd/m2
3000:1	1200:1	1000:1
H:178°, V:178°	H:178°, V:178°	H:178°, V:178°
60Hz	60Hz	60Hz
16:9	16:9	16:9
YES	YES	YES
1000 pages	1000 pages	1000 pages
YES	YES	YES
V4.2	V4.2	V4.2
Android 11	Android 11	Android 7.0.1 OS
2*5W	2*10W	2*10W
x2	x2	x2
x1	x1	x1
x1	x1	x1
x1	x1	x1
x2 (CEC, ARC, MHL)	x2 (CEC, ARC, MHL)	x2 (CEC, ARC, MHL)
x2	x2	x4
x1	x1	x1
x1	x1	x1
x1	x1	x1
AC100V-240V	AC100V-240V	AC100V-240V
DC 9-32V	DC 10-32V	DC 11.30-30V
<35W	<50W	<85W
<0.5W	<0.5W	<0.5W
YES	YES	YES
YES	YES	YES
YES	YES	YES
NO	NO	YES
NO	NO	YES
NO	NO	YES
Black	Black	Black
NO	NO	YES
100x100mm	100x100mm	200x200mm
2,9	5,1	5,6
4,3	7,3	6,5
549 x 323 x 49	725 x 442 x 65 mm	909 x 517 x 62 mm



TELECO **ULTRA**Comfort

A world first: the **Ultra Comfort** air
conditioner
The beginning of a new era.



**GERMAN
INNO
VATION
AWARD '24
WINNER**

EUROPEAN
Innovation
AWARD



Ultra Comfort 6000-8000

The ideal solution for
Vans, Vans with
pop-up roof and
Semi-Integrated
Motorhomes

- No overhead weight, which saves space on the roof
- Preserves the brightness of a skylight
- Completely invisible compression unit
- Discreet, built-in inner diffuser
- No more cold air diffuser in the corridor
- Quiet and powerful with minimal power consumption
- Fully reversible for both cooling and heating via **heat pump**
- Enables the installation of an air conditioner on vehicles with pop-up roof



Air conditioner

- 230V power supply
- Dual function:
cooling and heating (heat pump)
- Three ventilation speeds + automatic mode
- Low power consumption (less than 3A
for UltraComfort 6000 model)
- Weight: 28 - 34 kg
- Diffuser grids adjustable both vertically and
horizontally
- Display with temperature indication
- Easy control of the air conditioner
via remote control
- Recommended vehicle length:
(for mod. 6000) and 6 - 7 m (for mod. 8000)
- Wi-Fi option



PATENT PENDING



Available models

	ULTRA COMFORT 6000	ULTRA COMFORT 8000 NEW
Power Supply	230V, 50Hz ~	230V, 50Hz ~
Cooling capacity	6000Btu/h 1760W	7500Btu/h 2200W
Heating capacity	5700Btu/h 1670W	7200Btu/h 2100W
Current absorption	2,9A	4,2A
IR Remote Control	yes	yes
Temperature setpoint range	16÷31°C	16÷31°C
Indoor fan speeds	3 + Auto	3 + Auto
Internal air flow	360m3/h	360m3/h
Refrigerant type & max quantity	R134a / 650g	R134 / 650g
Teleco Inverter required	TI 1500 SI-ACT	TI 2000 SI-ACT
Certifications	CE / R10	CE / R10
Weight	28 kg	34 kg



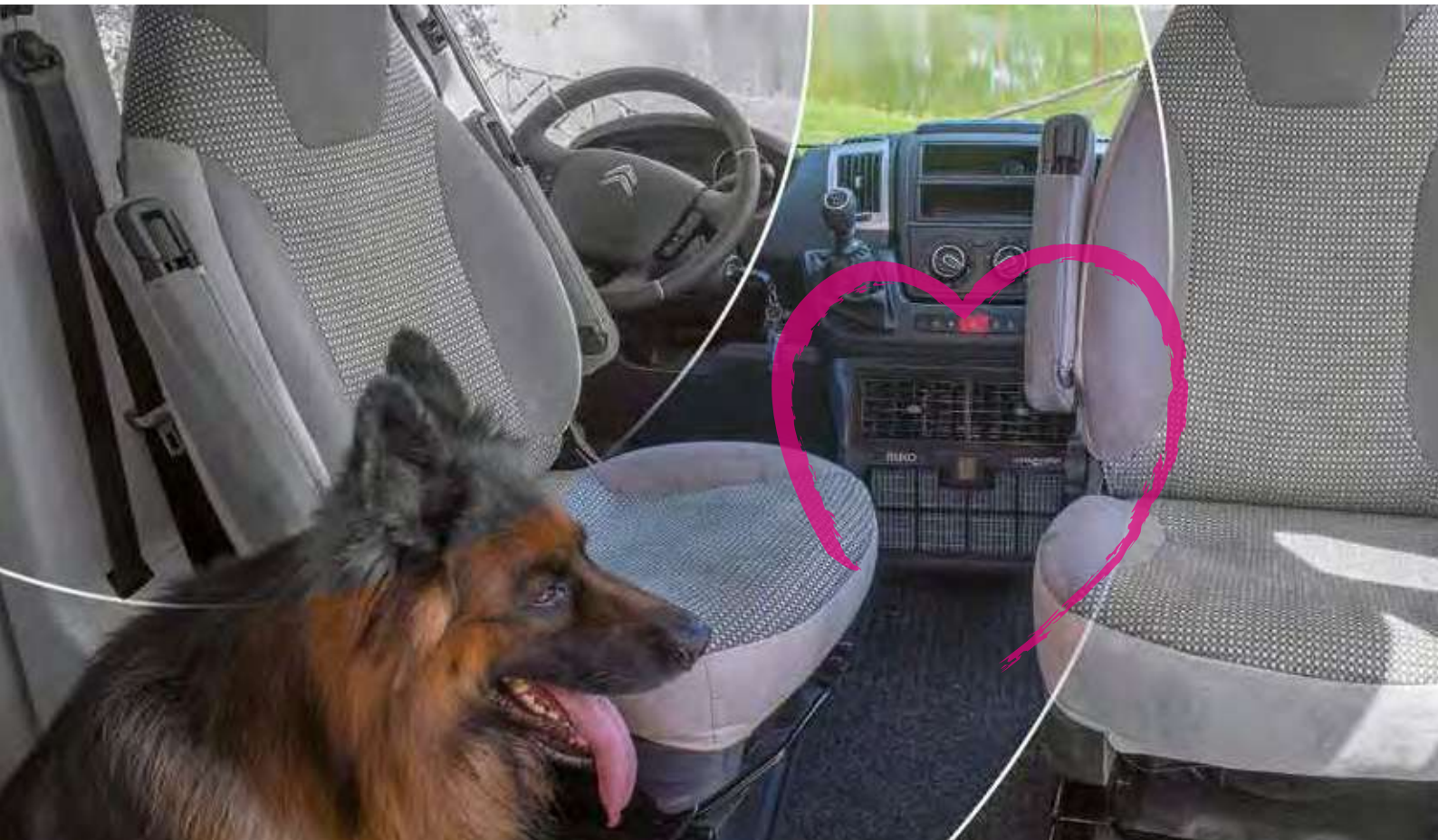
Compatible with CI-BUS and Teleco HUB,
with ICLE interface (optional, not included)



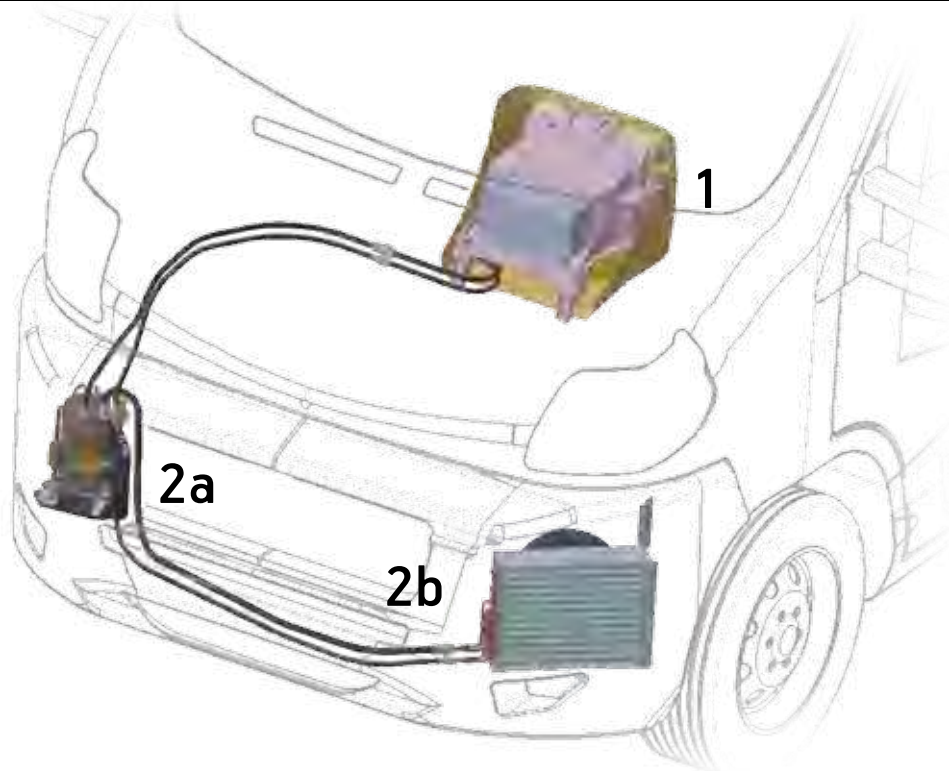
*WiFi compatible with ICW interface
(optional)



**GERMAN
INNO
VATION
AWARD '24
WINNER**



Ultra Comfort 6000-8000 Air conditioners



Suitable for pop-up roof-van



No bulky device on the roof



Keep the rooflight, more light inside



Silent



Heat pump



No compressor noise



No cold air diffuser in the corridor



Dashboard diffuser



Dog friendly



Option

The ULTRA COMFORT 6000 is made up of 2 units:

- 1) The internal unit fits into the dashboard inside the vehicle
- 2) External Unit, made of 2 parts connected by pipes, mounted behind the bumper of the Vehicle

The two parts are connected by flexible hoses via rapid fittings

The refrigerant gas is already loaded into the air conditioner and distributed throughout all parts, including the watertight connection pipes

The air conditioner has a dual function: Cooling and Heating (Heat Pump).

Optional: Installation kit for Ultra Comfort 6000 on vehicles with IVECO engine

KAMI 6000



PLEASE BE AWARE:

Ultra Comfort 6000 and Ultra Comfort 8000 are compatible with DUCATO chassis from 2021 onwards. For vehicles with X250 chassis and IVECO engines from 2014 to 2021, the KAMI 6000 installation kit must be purchased as an option.

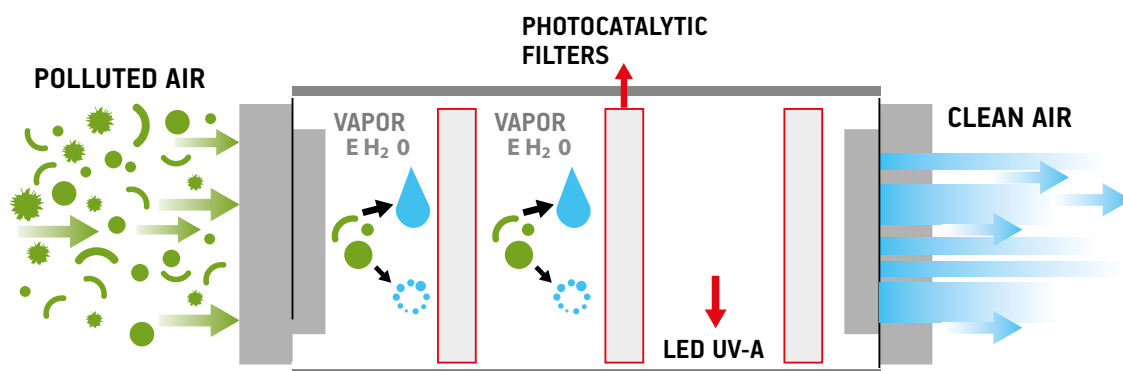


Ultra Comfort Steril-Air Pro

Our most innovative air conditioner, now equipped with a UV-A LED air sanitizer and purifier

UV-A LED technology with photocatalysis, which is highly efficient in removing:

- Organic contaminants
- Bad odours
- Viruses
- Bacteria
- Formaldehyde
- Benzenes



ADVANTAGES OF A UV-LED DEVICE



SAFE

Thanks to LED UV-A technology, the device is completely safe and can be used where people or animals are present



24H SANITIZATION

Can be used 24/7, ensuring continuous air sanitization.



ENERGY EFFICIENCY

Has low energy consumption, thus ensuring optimal energy efficiency. Moreover, unlike slower mercury lamps, it comes on instantaneously.



NO CHEMICAL SUBSTANCES USED

Compared to other technologies like ozone and mercury lamps, UV-A LEDs are much safer for people and have no environmental impact as no chemical substances are used.



HIGH PERCENTAGE OF VIRUSES AND BACTERIA ELIMINATED (SARS COV-2 included)

Has been certified by accredited laboratories.



LONGER LASTING

Another key advantage of UV LEDs is that they last longer than mercury lamps.

Average UV LED lifespan: 20.000–30.000 hours

Average mercury lamp lifespan: 2.000–10.000 hours.

The photocatalysis system and UV-A LEDs proved effective in tests on SARSCoV-2 (covid 19). After 30 minutes, they reduced the viral load by 99,998%.

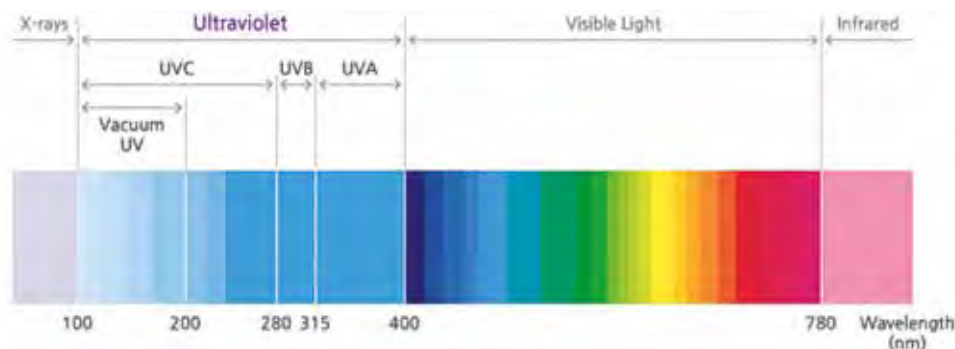
UV FILTERS

The function of UV filters are to destroy many harmful particles for our lungs. Many microorganisms which are normally found in the air and which we are unable to see with the naked eye are eliminated.

Remember that UV is just an acronym that stands for **Ultra Violet**.

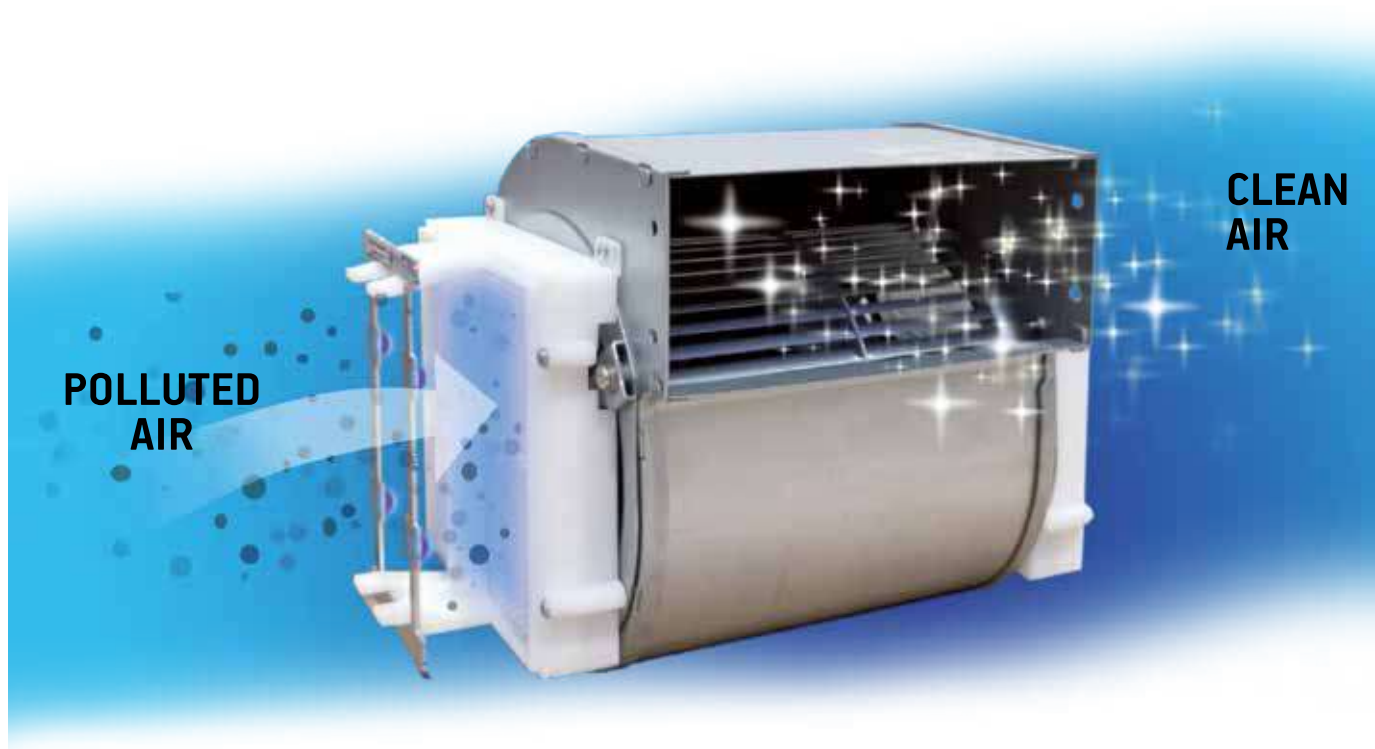
Consequently, the UV purifier is a purifier that emits radiation in the Ultraviolet spectrum.

The figure shows the spectrum of light, including UV radiations. These are invisible to the human eye, which only perceives rays in a certain wave range (400 to 780nm).



UV-A LED: PROTECTION, SUSTAINABILITY AND EFFECTIVENESS

UV radiation, emitted by the sun, if properly dosed in intensity and wavelength, can be used in many applications in our daily lives. When applied to LED lamps, UV technology can be very useful in various sectors, and is used differently depending on intensity and wavelength (UV-A, UV-B, UV-C). In particular, it can be very effective in reducing the amount of bacteria, the virulence of harmful organisms and the presence of pathogens, as well as in the breakdown of volatile organic compounds (VOC), thus reducing odours in general.



Telair

AIR CONDITIONER

When the summer is torrid, the heat is suffocating and humidity prevents you from sleeping at night, there's no need to worry, because Telair will look after you. You don't have to miss out on holidays in the south of Europe just because heat and mugginess might make your stay unbearable. A Telair air conditioner will make your days pleasurable and relaxing. A sense of well-being will accompany you throughout your holiday, the system constantly cooling and drying the air inside your motorhome or caravan. Telair's flat and aerodynamic roof-mounted air conditioners are the perfect solution, taking up minimal space inside the vehicle. Modern, innovative design makes installation of the unit on the roof quick and easy, as uses the standard 40 x 40 cm roof-light opening, without affecting the aerodynamics of the vehicle.



The range of E-Van, Dual Clima and Silent air conditioners, built with 4 different cooling levels, can be installed on any type of caravan or motorhome, from small (4 or 5 m) to large (8 or 10 m). The choice of the correct model to install is very simple. Just check the length of your vehicle and match it to the following table:



e-Van3 5400H	4 - 6 mt
Silent3 5900H	5 - 6,5 mt
e-Van3 7400H	5 - 7 mt
Silent3 8100H	6 - 7,5 mt
DualClima 8400H	6,5 - 8 mt
DualClima 12500H	8 - 10 mt





AIR DIFFUSERS

There are two models of air diffusers for the vehicle interior:

DualClima



Dual Clima diffuser, modern design and super-flat (just 4.9 cm thick). Fitted with an efficient and silent system for distributing cold (or hot) air that can reach any part of the vehicle. The two main outputs are connected to an adjustable flow separator that allows air to be distributed in two directions (Front – Rear) or allows the flow to be adjusted gradually until it is all concentrated in just one direction. Each of the two outputs can also be oriented from left to right and from up to down in order to maximise comfort. Fitted with 2 honeycomb dust filters that can easily be extracted and washed under running water. An LED display showing room temperature and 2 LED lights indicating the status (cooling or heating) of the air conditioner will help you control it at all times. Infrared remote control with timer (ON-OFF) and large display. Ambient lighting with two LED bars that can be activated with the remote control.

Also available with Wi-Fi option.

Wi-Fi 



Silent 3 clima e-Van 3



Silent 3 and e-Van 3 Diffuser, small, compact with cold air outlet that can be aimed in two directions (forwards and rearwards) or focused in one direction. Easy to clean, with two dust filters that can be removed effortlessly and washed in running water whenever necessary. Fitted with an LED display, a room temperature indicator and an infrared remote control with timer.

Also available with Wi-Fi option.

Wi-Fi 



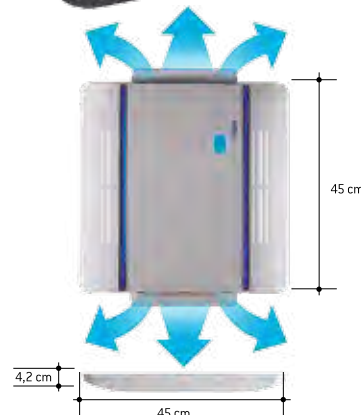
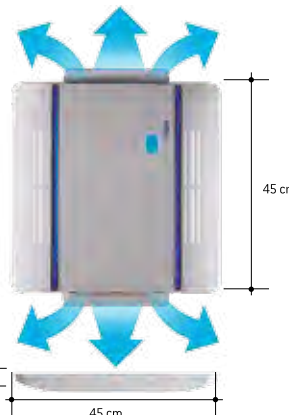


HEAT PUMP

All Dual Clima and Silent Plus air conditioners are also equipped with a Heat Pump heating system. So besides being used to cool the vehicle, they can also be used as a low-cost heating system in the off-season.

Heat pump heating has some major advantages:

- It consumes very little, with 900W of consumption it provides up to 2.4 Kw of heat
- It removes moisture from the air, which benefits your health
- It is fast and switches from hot to cold automatically to maintain a constant pre-set temperature
- It works properly down to about 4°C


**GERMAN
INNO
VATION
AWARD '24
WINNER**

ULTRA COMFORT
clima e-Van 3
clima e-Van 3

TECHNICAL SPECIFICATIONS	ULTRA COMFORT 6000	ULTRA COMFORT 8000	CLIMA e-Van 3 5400H	CLIMA e-Van 3 7400H
Cooling power	6000 BTU 1,76 kW	7500 BTU 2,2 kW	5.800 BTU 1,7 kW	7.200 BTU 2,1 kW
Heat pump heating power	5.700 BTU 1,67 kW	7.200 BTU 2,1 kW	5.500 BTU 1,6 kW	6.800 BTU 2,0 kW
Fan speed	3 + AUTO	3 + AUTO	3 + AUTO	3 + AUTO
Power supply	230 V 50 Hz	230 V 50 Hz	230 V 50 Hz	230 V 50 Hz
Average absorbed current	2,9 A 2,8 A	4,2 A 4,1 A	2,9 A 2,8 A	4,1 A 4,0 A
Starting current	15 A (150 msec.)	18 A (150 msec.)	15 A (100 msec.)	19 A (150 msec.)
Absorbed power	680 W 640 W	1100 W 1000 W	660 W 640 W	950 W 920 W
Recommended inverter	TI 1500 SI ACT	TI 2000 SI ACT	TI 1500 SI ACT	TI 2000 SI ACT
Max air flow	360 m³/h	360 m³/h	300 m³/h	300 m³/h
Weight	28 Kg.	34 Kg.	30 Kg.	31 Kg.
Dimensions	–	–	23,2x71x61,9 cm ↑ → ↗	23,2x71x61,9 cm ↑ → ↗
Air diffuser height	–	–	4,2x45x45 cm. ↑ → ↗	4,2x45x45 cm. ↑ → ↗
STERIL-AIR PRO Option	●	●	–	–
Remote Control	Timer	Timer	Timer	Timer
Option	Compatible with	Compatible with	Compatible with	Compatible with
CI-BUS				
Suitable for vehicles	5 - 6,5 mt	6 - 7 mt	4 - 6 mt	5 - 7 mt

SILENT 3 5900H

SILENT 3 8100H

DUALCLIMA 8400H

DUALCLIMA 12500H



Silent 3

Silent 3

Dualclima

Dualclima

**SILENT 3
5900H**

**SILENT 3
8100H**

**DUALCLIMA
8400H**

**DUALCLIMA
12500H**

5.900 BTU
1,73 kW



8.100 BTU
2,37 kW



8.500 BTU
2,50 kW



10.800 BTU
3,17 kW



5.600 BTU
1,64 kW



8.000 BTU
2,30 kW



8.400 BTU
2,46 kW



10.500 BTU
3,08 kW



3 + AUTO

3 + AUTO

3 + AUTO

3 + AUTO

230 V 50 Hz

230 V 50 Hz

230 V 50 Hz

230 V 50 Hz

2,9 A
2,8 A



4,8 A
4,3 A



4,3 A
4,1 A



6,1 A
5,9 A



15 A
(150 msec.)

18 A
(150 msec.)

18 A
(150 msec.)

29 A
(150 msec.)

680 W
640 W

1100 W
1000 W

990 W
950 W

1.400 W
1.350 W

TI 1500 SI ACT

TI 2000 SI ACT

TI 2000 SI ACT

TI 2000 SI ACT

400 m³/h

450 m³/h

480 m³/h

480 m³/h

34 Kg.

36 Kg.

36 Kg.

39 Kg.

23,9x98x65 cm



23,9x98x65 cm



23,9x98x65 cm



23,9x98x65 cm



4,2x45x45 cm.



4,2x45x45 cm.



5,4x60x52 cm.



5,4x60x52 cm.



—

—

—

—



Timer



Timer



Timer



Timer



Compatible with Google Assistant alexa



Compatible with Google Assistant alexa



Compatible with Google Assistant alexa



Compatible with Google Assistant alexa



5 - 6,5 mt



6 - 7,5 mt



6,5 - 8 mt



8 - 10 mt

clima e-Van 3

THE SMALLEST ROOF-MOUNTED AIR CONDITIONER ON THE MARKET
Just 71cm long and 23 cm high



 GAS R32

 230 volt

5400H

 1,7 kW (5.800 BTU)

 1,6 kW (5.500 BTU)

 TIMER



Wi-Fi OPTION available

7400H

 2100 W (7.200 BTU)

 2000 W (6.800 BTU)

 TIMER

clima e-Van 3 5400H / 7400H

AUTOMATIC AIR CONDITIONERS WITH HEAT PUMP

Specially designed for Camper Vans, the ideal solution for installation on small roofs without having to remove the skylight.

Silent, light and easy to install, it is secured to the roof both with the usual 40x40 cm roof-light opening and with a smaller 36x36 cm hole.

Featuring cutting-edge technology, its design exploits all the latest resources to offer an Ecologically Clean product.

An R32 gas refrigerant has been used as it has the lowest Global Warming Potential (GWP 675) that is currently found on air conditioners for vehicles, with a 70% reduction in environmental pollution power, compared to gases that have been used to date.

Two models are available with different refrigerating powers; both feature a heat pump. Cold, Hot and Automatic functions can be selected via the remote control, Timer function.

The CLIMA e-VAN 3 5400H model has been designed for low consumption. It can also be connected to a battery through a pure sine wave inverter of minimum 1500W (at full capacity) for use in moving vehicles.

The small internal diffuser with its modern design is just approximately 4.2 cm thick and can easily be installed thanks to its small size. Equipped with a multi-function blue display and LED lights that can be switched on/off via the remote control.



LED TORCH

TIMER



5400H

4 - 6 mt

7400H

5 - 7 mt



Technical specifications	CLIMA e-Van 3 5400H	CLIMA e-Van 3 7400H
Cooling power	5.800 BTU / 1,7 kW	7.200 BTU / 2,1 kW
Heating power	5.500 BTU / 1,6 kW	6.800 BTU / 2,0 kW
Ventilation speeds	3 + AUTO	3 + AUTO
Power supply	230 V - 50 Hz	230 V - 50 Hz
Average absorbed current	2,9 A ❄️ 2,8 A 🔥	4,1 A ❄️ 4,0 A 🔥
Starting current	15 A (150 ms)	19 A (150 ms)
Power consumption	660 W ❄️ 640 W 🔥	950 W ❄️ 920 W 🔥
INVERTER recommended	TI 1500 SI ACT	TI 2000 SI ACT
Maximum air flow rate	300 m³/h	300 m³/h
Weight	30 Kg.	31 Kg.
Roof unit dimensions	23,2x71x61,9 cm ↗ ↘ ↙ ↚	23,2x71x61,9 cm ↗ ↘ ↙ ↚
Air diffuser dimensions	4,2x45x45 cm. ↗ ↘ ↙ ↚	4,2x45x45 cm. ↗ ↘ ↙ ↚
Wi-Fi option*	✓	✓
BLACK color option	-	✓

Compatible with

Google Assistant alexa

Wi-Fi

Compatible with CI-BUS and Teleco HUB, with ICLE interface (optional, not included)

TELECO CIBUS

*Wi-Fi compatible with ICW interface (optional)

DualClima

12500H / 8400H



GAS R32



230 volt

8400H GAS R32

2,5 KW (8.500 BTU)



2,46 KW (8.400 BTU)



TROPICAL TILL 55°C



TIMER

12500H GAS R32

3,10 KW (10.800 BTU)



3,08 KW (10.500 BTU)



SOFT START



TIMER



DualClima 8400H / 12500H

AUTOMATIC AIR CONDITIONERS WITH HEAT PUMP

DUALCLIMA monoblock air conditioner specially designed to be installed on the roofs of medium-to-large campers and caravans. Special care has been taken to ensure LOW NOISE both inside and outside.

- **HEAT PUMP** High-efficiency heat pump heating supplies more than double the heating power for the power supplied. The heat pump is effective for outside temperatures down to 4°C; below this temperature its efficiency is considerably reduced.
- **AUTOMATIC CONTROL**
By activating the AUTO function, the air conditioner selects the most suitable ventilation speed and the cooling or heating function automatically.
- **REMOTE CONTROL** with a programmable timer and ON/OFF Switch for the Diffuser Light
- Anti-freeze protection PROBES
- **INTERNAL FILTERS** – can be changed and washed
- Suitable for roofs 30 - 70 mm thick



LED TORCH

TIMER

**8400H**

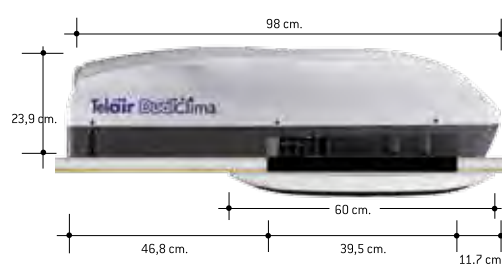
6,5 - 8 mt

12500H

8 - 10 mt



Extra-flat diffuser with sloping profile on all 4 sides. Direction-adjustable front and rear air outlets (horizontal and vertical).



Technical specifications	DUALCLIMA 12500H	DUALCLIMA 8400H
Cooling power	10.800 BTU / 3,17 kW	8.500 BTU / 2,50 kW
Heating power	10.500 BTU / 3,08 kW	8.400 BTU / 2,46 kW
Ventilation speeds	3 + AUTO	3 + AUTO
Power supply	230 V - 50 Hz	230 V - 50 Hz
Average absorbed current	6,1 A ❄️ 5,9 A 🔥	4,3 A ❄️ 4,1 A 🔥
Starting current	29 A (150 m sec.)	18 A (150 m sec.)
Power consumption	1400 W ❄️ 1350 W 🔥	990 W ❄️ 950 W 🔥
INVERTER recommended	TI 2000 SI ACT	TI 2000 SI ACT
Maximum air flow rate	480 m3/h	480 m3/h
Weight	39 Kg.	36 Kg.
Roof unit dimensions	23,9x98x65 cm ↗ ↘ ↙ ↚	23,9x98x65 cm ↗ ↘ ↙ ↚
Air diffuser dimensions	4,9x52x60 cm ↗ ↘ ↙ ↚	4,9x52x60 cm ↗ ↘ ↙ ↚
Wi-Fi option*	✓	✓
BLACK color option	-	✓



*Wi-Fi compatible with ICW interface (optional)

Silent 3



 GAS R32

 230 volt



5900H

 1,73 kW (5.900 BTU)

 1,64 kW (5.600 BTU)

 TIMER

8100H

 2,37 kW (8.100 BTU)

 2,30 kW (8.000 BTU)

 TIMER



Wi-Fi OPTION
available

Silent 3 5900H / 8100H

AUTOMATIC AIR CONDITIONERS WITH HEAT PUMP

Silent, light, easy to install and technologically advanced, these air conditioners are designed to make full use of all the latest resources to provide an ecologically clean product.

An R32 gas coolant has been used as it has the lowest Global Warming Potential (GWP 675) currently found on vehicle air conditioners and reduces environmental pollution potential by 70% compared to the gases that have been used to date.

Two models with different refrigerating powers are available; both are equipped with a heat pump. Cooling, Heating, Ventilation and Automatic modes can be selected via the remote control. A timer function is also provided.

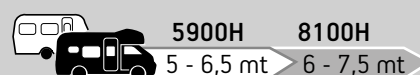
The Silent 3 5900H model has been designed for low consumption. It can also be connected to a battery via a pure sine wave inverter with a minimum rating of 1500 W (operation at full capacity) for use when the vehicle is on the move.

The small internal diffuser features modern design, is just 4.2 cm thick and its compact size means it can be installed easily. Features include a multi-function blue display and LED lights that can easily be switched on-off via the remote control.



LED TORCH

TIMER



5900H

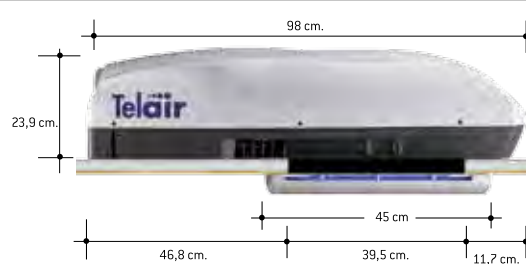
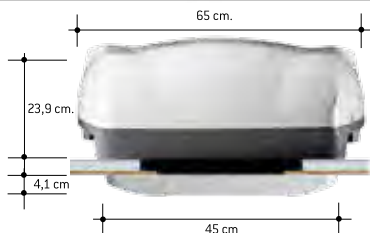
5 - 6,5 mt

8100H

6 - 7,5 mt



Extra-flat diffuser with tapered profile on the 2 sides. Direction-adjustable front and rear air vents.



Technical specifications	Silent 3 5900H	Silent 3 8100H
Cooling power	5.900 BTU / 1,73 kW	8.100 BTU / 2,37 kW
Heating power	5.600 BTU / 1,64 kW	8.000 BTU / 2,30 kW
Ventilation speeds	3 + AUTO	3 + AUTO
Power supply	230 V - 50 Hz sinusoidal	230 V - 50 Hz sinusoidal
Average absorbed current	2,9 A ❄️ 2,8 A 🔥	4,8 A ❄️ 4,3 A 🔥
Starting current	15 A (0,15 sec.)	18 A (0,15 sec.)
Power consumption	680 W ❄️ 640 W 🔥	1100 W ❄️ 1000 W 🔥
INVERTER recommended	TI 1500 SI ACT	TI 2000 SI ACT
Maximum air flow rate	400 m³/h	450 m³/h
Weight	34 Kg.	36 Kg.
Roof unit dimensions	23,9x98x65 cm ↗ ↘ ↙ ↚	23,9x98x65 cm ↗ ↘ ↙ ↚
Air diffuser dimensions	4,2x45x45 cm. ↗ ↘ ↙ ↚	4,2x45x45 cm. ↗ ↘ ↙ ↚
Wi-Fi option*	✓	✓
BLACK color option		✓



Accessories for Air Conditioners



Air conditioner adapter for van roof



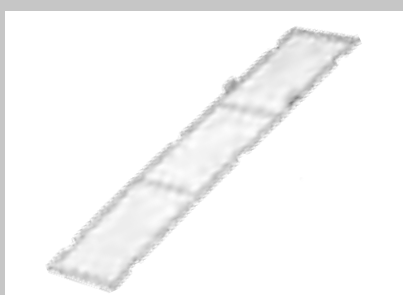
15 mm foam for mod. e-Van



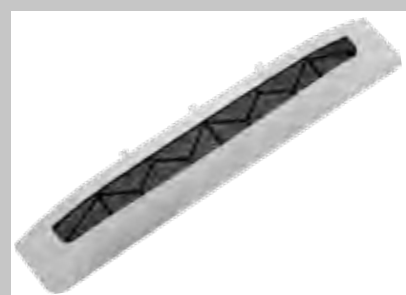
25mm foam for mod. e-Van



20 mm foam for mod. DualClima and Silent 3



Air filters for Silent Plus / e-Van models



Air filters for DualClima models



Air filters for Silent 3 / e-Van3 models



Thick frame for A/C installation on vehicles with a thin roof



CPS
Protective Cover for Silent/Dualclima Air Conditioners



CPE
Protective cover for e-Van 3 air conditioners



CAMPER KIT e-Van
for roof thickness > 40 mm



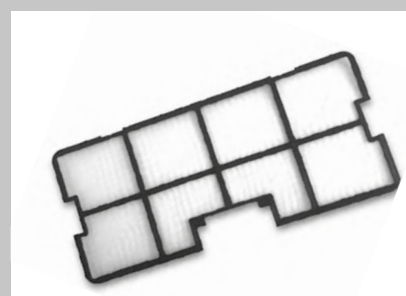
ICLE interface



ICL interface



ICW interface for Wi-Fi

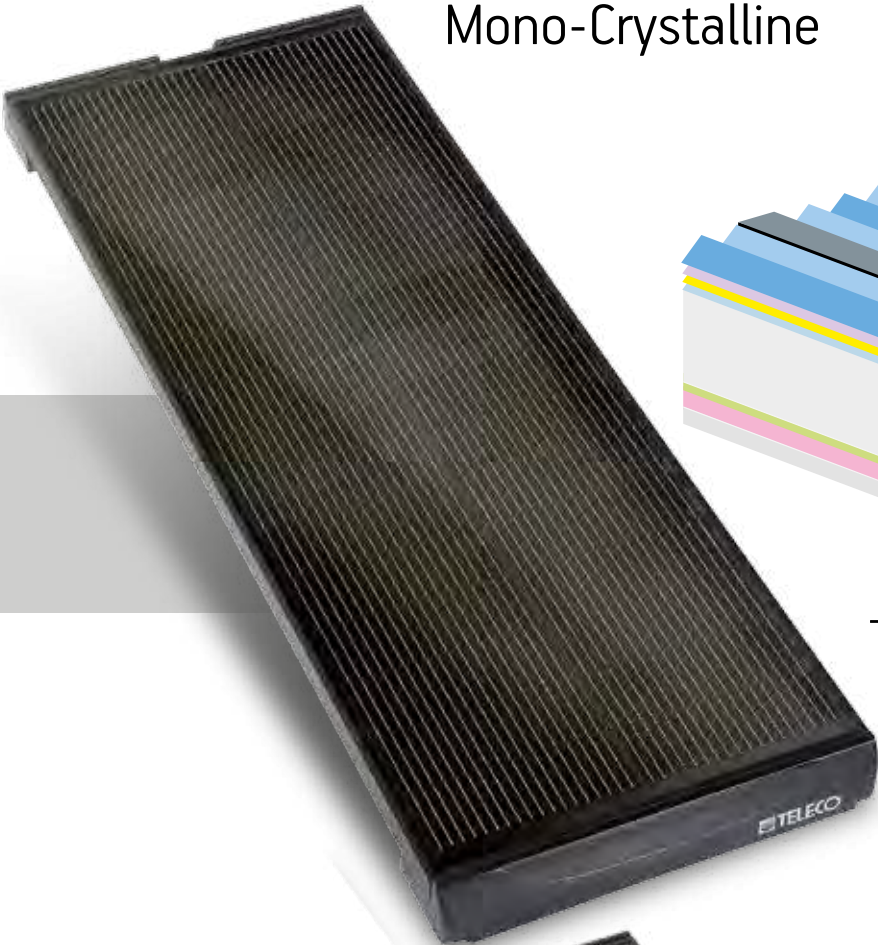


Air filters for Ultra Comfort models

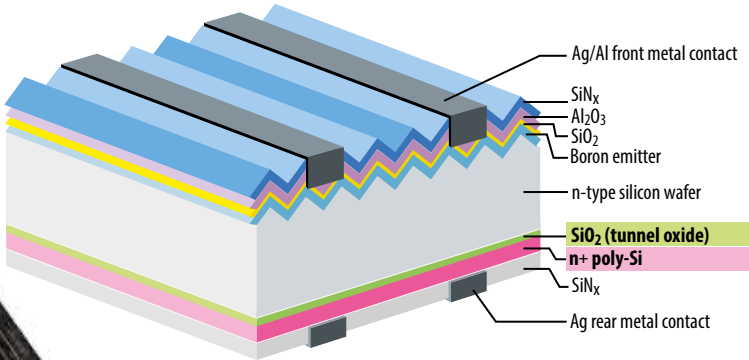


BLACK SOLAR PANELS

Mono-Crystalline



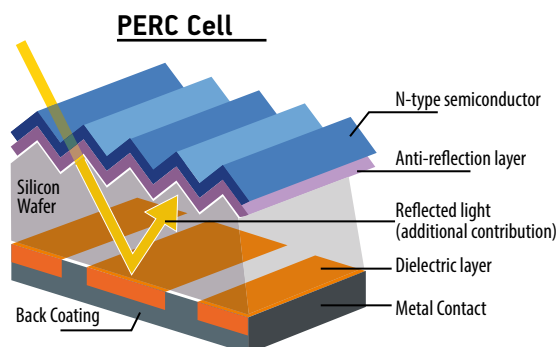
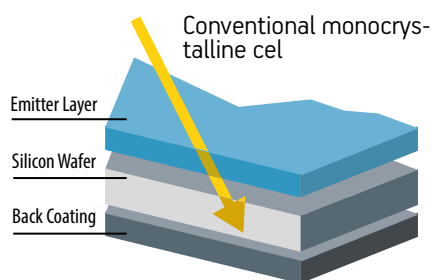
TOPCON Cell



TBS 110WS
Rigid



TBS 185WS Rigid



Black Mono-Crystalline Solar Panels

Specifications	TBS 110WS	TBS 185WS
Rated power (P _{max}):	110 W	185 W
Rated voltage P _{max} (V _{mp}):	18.15 V	20.9 V
Rated current P _{max} (I _{mp}):	6.06 A	8.85 A
Open circuit voltage (V _{oc}):	21.45 V	24.7 V
Closed circuit current (I _{sc}):	6.42 A	9.38 A
Module efficiency (η _m):	20.54 %	20.68 %
Working temperature:	-40°C ~ + 80°C	-40°C ~ + 80°C
Cable (length/cross-section):	900 mm/2.5 mm ²	900 mm/2.5 mm ²
Module size (LxWxH) (without feet):	1160x450x30 mm	1230x705x30 mm
Weight (without feet):	6.3 kg	10.0 kg
PERC Cell		•
TOPCON Cell	•	

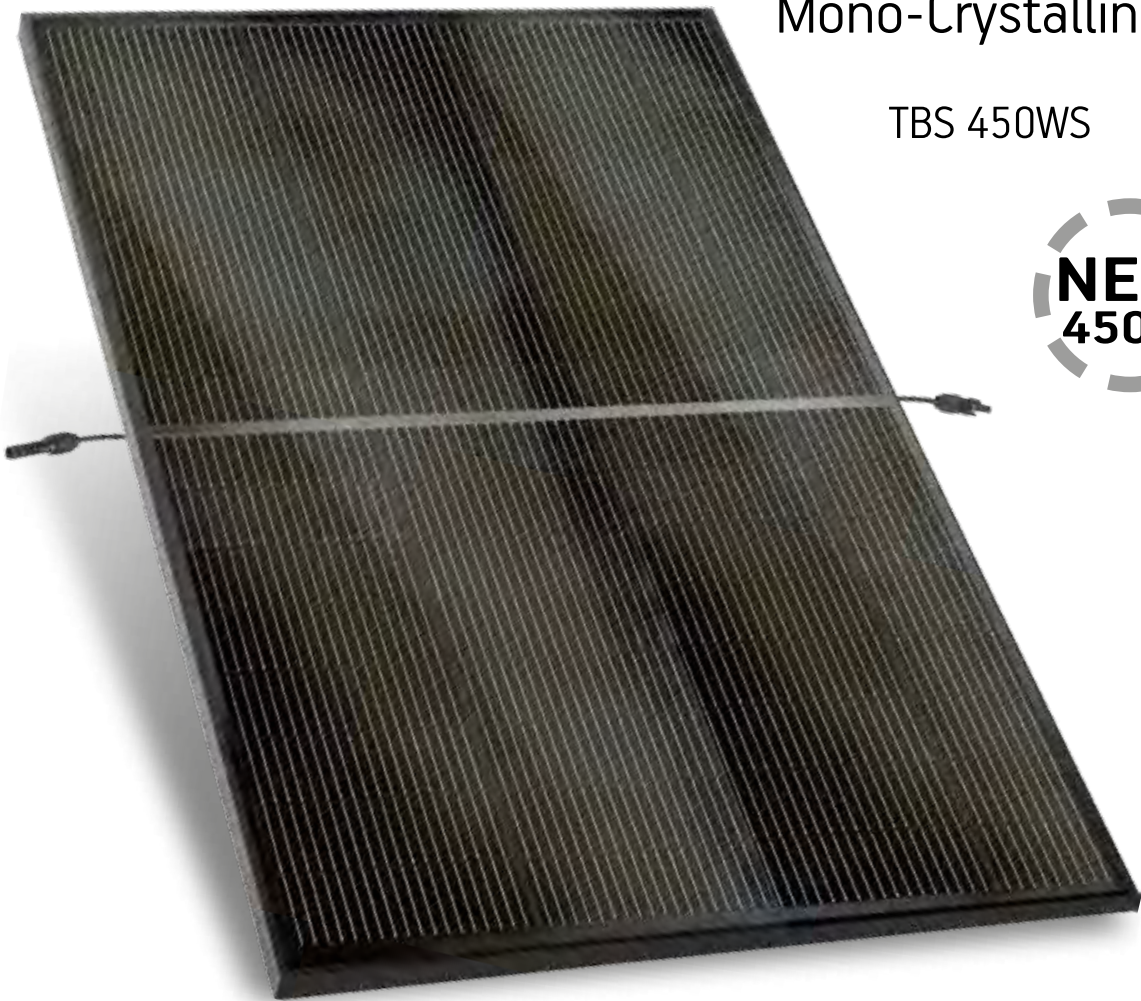
- STC: irradiance 1000W/m², cell temperature 25°C, air mass AM1.5 according to EN60904-3
 - Average efficiency reduction of 4.5% at 200W/m² according to EN60904-1



SOLAR PANELS 450W

Mono-Crystalline - TOPCon

TBS 450WS



MPPT
SPC40/1B



Specifications	TBS 450WS
Rated power (Pmax):	450 W
Rated voltage Pmax (Vmp):	33.22 V
Rated current Pmax (Imp):	13.55 A
Open circuit voltage (Voc):	39.78 V
Closed circuit current (Isc):	14.38 A
Module efficiency (η m):	22.52 %
Working temperature:	- 40°C ~ + 85 °C
Lead (length/cross-section):	1200 mm / 4 mm2
Module size (LxWxH) (without feet):	176,2 x 113,4 x 3 cm
Weight (without feet):	24 Kg

Specifications	MPPT SPC40/1B	
Battery parameters	System Voltage	12V
	Rated Charging Current	40A
	Battery Type Available	Lithium, Gel, AGM, Liquid
	Temperature compensation	YES
	Overcharge Protect	15,5V
Gel, AGM, Liquid charging parameters	Boost Voltage	Programmable 14÷14,8V, Default 14,5V
	Equalization Voltage	Programmable 14÷15V, Default 14,8V
	Float Voltage	Programmable 13÷14,5V, Default 13,7V
	Low Voltage Disconnect	10,8÷11,8V, Default 11,2V
	Charging Target Voltage	Programmable 10÷17V, Default 14,4V
Lithium charging parameters	Low Voltage disconnect	Programmable 9÷15V, Default 10,6V
	Max Voltage on PV terminals	100V
Panel parameters	Max Input Power	520W
	Day/Night Threshold	8V
System parameters	Max Tracking Efficiency	>99,9%
	Max Charge conversion	98%
	Self-Consumption	0,2W
	Wireless communication	YES
	Operating Temperature	-20 ÷ +55°C
	Installation	Wall Mount
	Size LxDxH	182 x 133 x 40mm
	Net Weight	1330g
	Protection Degree	IP54

- STC: irradiance 1000W/m2, cell temperature 25°C,
air mass AM1.5 according to EN60904-3
- Average efficiency reduction of 4.5% at 200W/m2 according to EN60904-1



BLACK FLEXIBLE SOLAR PANELS

Mono-Crystalline

TBSF 110WS



70% maximum curvature

Monocrystalline Flexible Solar Panels

Specifications	TBSF 110WS
Rated power (P _{max}):	110 W
Rated voltage P _{max} (V _{mp}):	18.8 V
Rated current P _{max} (I _{mp}):	5.86 A
Open circuit voltage (V _{oc}):	22.3 V
Closed circuit current (I _{sc}):	6.21 A
Module efficiency (η _m):	18.2 %
Working temperature:	- 20°C ~ + 65 °C
Lead (length/cross-section):	900 mm / 2.5 mm ²
Module size (LxWxH) (without feet):	900 mm / 2.5 mm ²
Weight (without feet):	2.1 Kg

- STC: irradiance 1000W/m², cell temperature 25°C, air mass AM1.5 according to EN60904-3
- Average efficiency reduction of 4.5% at 200W/m² according to EN60904-1



BLACK COOLFLEX SOLAR PANELS

Mono-Crystalline High Dissipation

- 50% lighter than traditional rigid panels
- Special surface finish to maximise the transmittance of sunlight
- 10 degrees maximum curvature
- Double ETFE coating for improved weather resistance.
- **9-layer composition, with a layer of flame-resistant PCB for greater sturdiness and better heat dissipation**

TBCF 100WS



10% maximum curvature

TBCF 135WS



10% maximum curvature





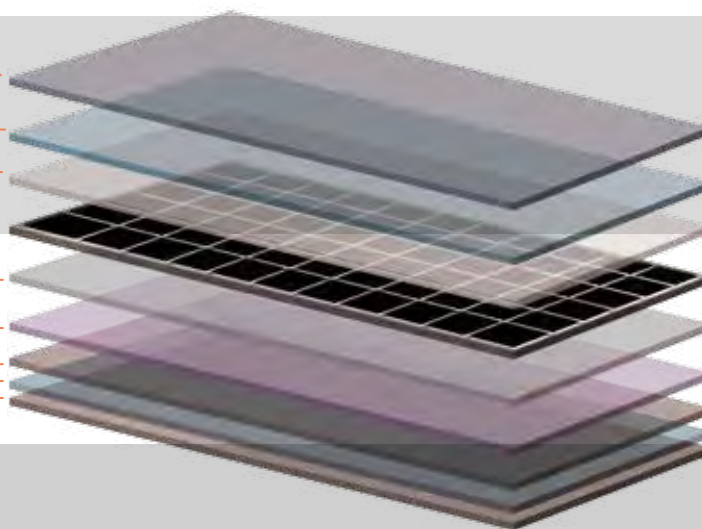
TBCF 150WS



10% maximum curvature

9-LAYER COMPOSITION

ETFE
Protection Layer
EVA
Solar Cell
EVA
Protection Layer
PCB
EVA
ETFE



Black **COOLFLEX** Solar Panels mono-crystalline

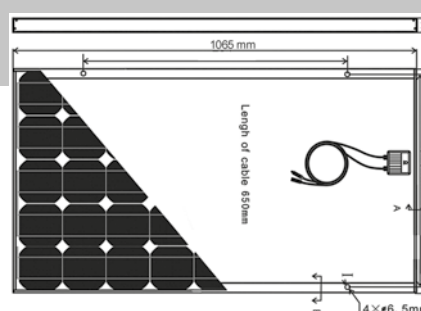
Specifications	TBCF 100WS	TBCF 135WS	TBCF 150WS
Rated power (P _{max}):	100 W	135 W	150 W
Rated voltage P _{max} (V _{mp}):	19.8 V	19.8 V	19.8 V
Rated current P _{max} (I _{mp}):	5.05 A	6.82 A	7.58 A
Open circuit voltage (V _{oc}):	23.3 V	23.3 V	23.3 V
Closed circuit current (I _{sc}):	5.45 A	7.36 A	8.19 A
Module efficiency (η _m):	22.42 %	22.42 %	22.62 %
Working temperature:	-20°C ~ + 75°C	-20°C ~ + 75°C	-20°C ~ + 75°C
Lead (length/cross-section):	3 m /2.5 mm ²	3 m /2.5 mm ²	3 m /2.5 mm ²
Module size (LxWxH) (without feet):	1080x510x4 mm	1090x680x4 mm	1130x710x4 mm
Weight (without feet):	3.75 Kg	4.7 Kg	4.7 kg



SOLAR PANELS

Mono-Crystalline

TSP 130W Rigid



Mono-Crystalline Solar Panels

Specifications	TSP 130W
Rated power (P _{max}):	130 W
Rated voltage P _{max} (V _{mp}):	19.4 V
Rated current P _{max} (I _{mp}):	6.71 A
Open circuit voltage (V _{oc}):	23.4 V
Closed circuit current (I _{sc}):	7.12 A
Module efficiency (η _m):	16 %
Working temperature:	-40°C ~ + 85°C
Lead (length/cross-section):	650 mm / 4 mm ²
Module size (LxWxH) (without feet):	1065x670x35 mm
Weight (without feet):	7.8 Kg

- STC: irradiance 1000W/m², cell temperature 25°C, air mass AM1.5 according to EN60904-3
- Average efficiency reduction of 4.5% at 200W/m² according to EN60904-1



BLACK PORTABLE SOLAR PANELS

Mono-Crystalline



TBSP 90WS

Specifications	TBSP 90WS
Solar Panel	90W (3pcs) Monocrystalline silicon
USB Output	5V / 2.4A
USB 3.0QC Output	5V/2.4A, 9V/2A, 12V/1.5A
DC Output	12V-18V / 5A
Type C Output	5V/3A, 9V/3A, 12V/2.5A, 15V/2A, 20V/2A, PD 60W
Folded size	545x350x30mm
Unfolded size	1058x545x5mm



Accessories



K2PS
Connection kit with diodes for 2 solar panels
2 Adapters with 10A diodes
2 double couplers for positive and negative
CPP Connectors for extension cables



6 m extension cable



SPCA/TSP
Aluminium cable guide



Rigid solar panel attachment kit:
4 ABS feet + spoiler for quick panel attachment
with self-tapping screws



TSP64 - Black
Narrow plastic cable guide. Black
colour



TSP64
Narrow plastic cable guide



Cleaning and glueing kit
(DEKASYL MS-5)
feet for rigid solar panel



SPC10/1 SPC20/1

Solar Charge Controllers



SPC20/1



SPC10/1

SPC20/1

- Large LED screen, adjustable charge/discharge parameters with memory function.
- Full 3-point PWM charge control.
- All installed protection devices are of the automatic reset type: built-in overcurrent protection, short-circuit protection, open-circuit protection, reverse connection protection.
- Dual USB output. Maximum output current 1.5 A

SPC10/1

- Full 3-point PWM charging management
- All installed protection devices are of the self-resetting type: built-in overcurrent protection, short-circuit protection, open-circuit protection, reverse connection protection.

TECHNICAL DATA	SPC 20/1	SPC 10/1
System voltage	12 V / 24 V (Automatic recognition)	12 V
Rated charge current	20 A	10
Rated discharge current	10 A	10
Maximal solar voltage	max solar voltage 23 V	25 V
Battery type	BAT1= lead acid battery 12 V LIT1= ternary lithium battery (3 S / 11.1 V) LIT2= lithium-iron-phosphate battery (4 S / 12.8 V)	---
End-of-charge voltage	Lead acid battery: 14.4 V (non-adjustable) Ternary lithium battery: 12.6 V (non-adjustable) Lithium-iron-phosphate battery: 14.2 V (non-adjustable)	---
LVD	Lead acid battery: 12.6 V (adjustable: 11.5 V ~ 13 V) Ternary lithium battery: 10.5 V (adjustable 10 V ~ 11 V) Lithium-iron-phosphate battery: 12 V (adjustable 11.5 V ~ 12.5 V)	---
LVR	Lead acid battery: 10.7 V (adjustable: 9.5 V ~ 11.5 V) Ternary lithium battery: 9 V (adjustable 8.5 V ~ 9.5 V) Lithium-iron-phosphate battery: 10 V (adjustable 9.5 V ~ 10.5 V)	---
Float Voltage	Lead acid battery: 13.7 V (adjustable: 13 V ~ 15 V) Ternary lithium battery: 12 V (adjustable 11.5 V ~ 12.5 V) Lithium-iron-phosphate battery: 13.8 V (adjustable 13 V ~ 14.5 V)	---
Charge activation voltage	8 V (from solar panel)	13,3 ±0,3V
USB output	2 USB; 5V/2A (MAX)	---
Standby current	<10 mA	<5mA
Operating Temperature	-35 °C / +60 °C	-10 °C / +55°C
Dimensions/Weight	133 x 70 x 35 mm / 140 g	133 x 70 x 35 mm / 140 g
*The voltages shown in the table indicate the thresholds for 12 V applications. With 24 V applications, double the indicated values.		

MPPT SPC 15/1B - MPPT SPC 40/1B



Technical data		MPPT SPC15/1B	MPPT SPC40/1B
Battery parameters	System Voltage	12V	12V
	Rated Charging Current	15A	40A
	Battery Type Available	Lithium, Gel, AGM, Liquid	Lithium, Gel, AGM, Liquid
	Temperature compensation	YES	YES
	Overcharge Protect	15,5V	15,5V
Gel, AGM, Liquid charging parameters	Boost Voltage	Programmable 14÷14,8V, Default 14,5V	Programmable 14÷14,8V, Default 14,5V
	Equalization Voltage	Programmable 14÷15V, Default 14,8V	Programmable 14÷15V, Default 14,8V
	Float Voltage	Programmable 13÷14,5V, Default 13,7V	Programmable 13÷14,5V, Default 13,7V
Lithium charging parameters	Low Voltage Disconnect	10,8÷11,8V, Default 11,2V	10,8÷11,8V, Default 11,2V
	Charging Target Voltage	Programmable 10÷17V, Default 14,4V	Programmable 10÷17V, Default 14,4V
	Low Voltage disconnect	Programmable 9÷15V, Default 10,6V	Programmable 9÷15V, Default 10,6V
Panel parameters	Max Voltage on PV terminals	55V	100V
	Max Input Power	200W	520W
	Day/Night Threshold	8V	8V
System parameters	Max Tracking Efficiency	>99,9%	>99,9%
	Max Charge conversion	98%	98%
	Self-Consumption	0,2W	0,2W
	Wireless communication	YES	YES
	Operating Temperature	-20 ÷ +55°C	-20 ÷ +55°C
	Installation	Wall Mount	Wall Mount
	Size LxDxH	143 x 107 x 28mm	182 x 133 x 40mm
	Net Weight	543g	1330g
	Protection Degree	IP54	IP54

Solar Charge Controller MPPT

The solar charge controller is based on advanced Maximum Power Point Tracking (MPPT) technology which allows a conversion efficiency of up to 98%.

The solar charge controller has the following key characteristics:

- Use of innovative MPPT technology to maximise tracking efficiency (>99.9%)
- Use of fully digital technology with high charge conversion efficiency (up to 98%)
- The LCD design ensures easy-to-read operating data and working conditions (only for MPPT SPC15/1, MPPT SPC 20/1B e MPPT SPC30/1B versions)
- Real-time energy statistics function
- Flexible system battery selection: liquid, gel, AGM and lithium
- 4-stage battery charging process: MPPT, boost, equalization, float
- Dual automatic protection to avoid exceeding the rated charging power and current
- Multiple load control modes: Always on, Streetlight, User-defined mode
- Two USB interfaces (available on the SCP15/1 model) to charge devices
- Wireless communication available on the MPPT SPC 20/1B, MPPT SPC 30/1B, MPPT SPC15/1B and MPPT SPC40/1B models
- The installed remote temperature sensor helps extend battery life.

MPPT SPC 15/1 - MPPT SPC 20/1B - MPPT SPC 30/1B



Wireless



TELECO app with notification of low battery alarm, compatible with MPPT 20 1/B and 30/1B

Technical data	MPPT SPC15/1	MPPT SPC20/1B	MPPT SPC30/1B
System voltage	12 V	Automatic recognition 12 V / 24 V	
Maximum charge current	15 A	20 A	30 A
Boost voltage	14,5 V @ 25 °C	14,0~14,8 V / 28,0~29,6 V @ 25 °C (Default setting: 11.2 V: 14,5 / 29 V)	
Equalization voltage	14,8 V @ 25 °C (Liquid, AGM)	14,0~15,0 V / 28,0~30,0 V @ 25 °C (Default setting: 11.2 V: 14,8 / 29,6 V)	
Float voltage	13,7 V @ 25 °C	13,0~14,5 V / 26,0~29,0 V @ 25 °C (Default setting: 11.2 V: 13,7 / 27,4 V)	
Disconnection voltage	10,8~11,8 V, SOC1~5 (Default setting: 11,2 V)	10,8~11,8 V / 21,6~23,6 V, SOC1~5 (Default setting: 11.2 V: 11,2 / 22,4 V)	
Disconnection voltage	-4,17 mV/K per cell (boost, equalization) -3,33 mV/K per cell (float charge)		
Battery type	Gel, AGM, Liquid, Lithium (Default setting: Gel)		
Maximum voltage on photovoltaic terminal	35 V (*1)	75 V a -40 °C (*1) / 70 V a 25 °C (*1)	
Maximum input power	200 W	260/520 W	390/780 W
Output current	10 A	20 A	30 A
USB interface	5 V - 2 A	x	x
Wireless	x	v	v
Operating mode	Always on / Streetlight / User-defined mode		
Maximum tracking efficiency	>99.9 %		
Maximum tracking efficiency	97,5%	98%	
Dimensions	189x96x53 mm	189x182x58 mm	189x182x64 mm
Weight	420 g	1 Kg	1,3 Kg
Self-consumption	0,2 W	≤8 mA (12 V), ≤12 mA (24 V)	
Power terminals	8AWG (10 mm²)	6AWG (16 mm²)	
Ambient temperature	-20 °C / +55 °C		

ENERGY EVERYWHERE

The comfort of your own home even on holiday

You don't have to worry about where you'll get the energy to run your air conditioner any more, or your hair dryer, or your satellite TV, if all the lights are on.

With the Telair line of generators, all of this is taken care of, wherever you want to stop with your motorhome!





Generators

Technical specifications	Model	Engine	Alternator	Max. power	Distortion frequency	Starting	Noise level	
	TIG 6000B PETROL 230 Vac	Yamaha MZ300	Inverter	5,2 kW - 230V 10A / 13,5Vdc	50 Hz 1%	Electric	54-68 dBA (7m)	
	TIG 6000G GAS 230 Vac	Yamaha MZ300	Inverter	5 kW - 230V 10A / 13,5Vdc	50 Hz 1%	Electric	54-68 dBA (7m)	
	TIG 3100B PETROL 230 Vac	Yamaha MZ175	Inverter	2,7 kW - 230V 10A / 13,3Vdc	50 Hz 1%	Electric	52-60 dBA (7m)	
	TIG 3100G GAS 230 Vac	Yamaha MZ175 GAS	Inverter	2,7 kW - 230V 10A / 13,3Vdc	50 Hz 1%	Electric	52-60 dBA (7m)	
	TIG 3000D DIESEL 230 Vac	HATZ 1B20 V	Inverter	2,5 kW - 230V 10A / 13,3Vdc	50 Hz 1%	Electric	58-61 dBA (7m)	
	ENERGY 2510 G GAS 230 Vac	Yamaha MZ175 GAS	Sinchron 2 poles	2,5 kW - 230V 10A / 12Vdc	50 Hz 5%	Electric	58 dBA (7m)	
	ENERGY 2510B PETROL 230 Vac	Yamaha MZ175	Sinchron 2 poles	2,5 kW - 230V 10A / 13,3Vdc	50 Hz 5%	Electric Manual	58 dBA (7m)	
	ECOENERGY GAS 12 Vdc	TELAIR	-	25A / 12Vdc		Electric	51 dBA (7m)	

Max fuel consumption	Dimensions	Weight	Control panel with 5 m cable	Floor or chassis mounting	Teleco HUB CI-BUS	OPTION
0,47 kg /KW/h Petrol	34x65,5x46,5cm ▲ ► ▼	79 kg				 Teleco App
0,39 kg /KW/h Gas	34x65,5x46,5cm ▲ ► ▼	80 kg				
0,39 Kg /KW/h Petrol	27,5x51,5x39cm ▲ ► ▼	52 kg				 Teleco App
0,4 Kg /KW/h Gas	27,5x51,5x39cm ▲ ► ▼	53 kg				
0,34 kg /KW/h Diesel	41x58,5x46,5cm ▲ ► ▼	87 kg				 Teleco App
1,2 Kg/h Gas	29,5x55,5x38,5cm ▲ ► ▼	60 kg				ASP  Automatic Starter
1,2 Lt/h Petrol	29,5x55,5x38,5cm ▲ ► ▼	58 kg				
0,27 Kg/h Gas	56,5x38x25cm ▲ ► ▼	19 Kg				

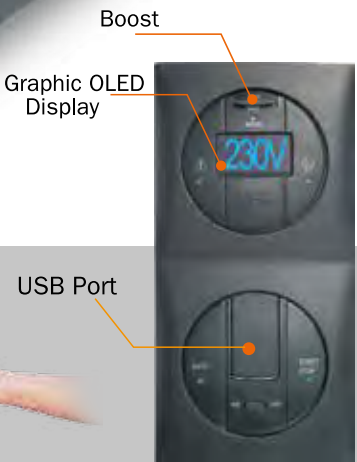
TIG 6000 B Inverter Petrol Generator



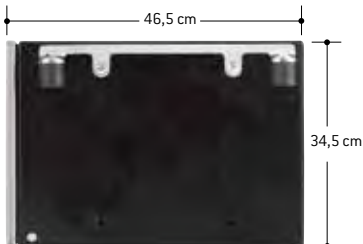
 230 Vac

- Stainless steel hatch
- Removable interior
- 2 attachment systems
- Variable speed adjuster

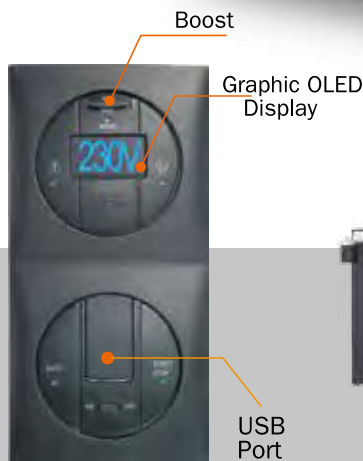
The TIG 3000B is a new generation 230 V AC inverter generator powered by a petrol engine. The rotation speed is commanded by a newly developed electronic variable speed system which functions with an extremely low noise level as well as greatly reduced average petrol consumption. Inverter technology provides a very stable flow of power by pure sine wave. The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values. The generator can be set to manual or automatic mode (if it's also used as a battery charger). It also has a BOOST button which can be used when a temporary increase of power for a very high electric load is needed. It also has a special interface which makes it possible to use the new Teleco-Hub App to switch the generator on/off and control it remotely using an iOS or Android smartphone.



Technical specifications	TIG 6000 B
Engine	YAMAHA MZ 300
Rotation speed	2400 - 3600 rpm
Max. power output	5,2 KW - 230V 10 A /13,5Vdc
Distortion Frequency	50 Hz 1%
Start-up	Electric
Noise level	54-68 dBA (7m)
Max fuel consumption	0,47 kg/kW/h
Dimensions	34,5x65,5x46,5 cm ↑ → ↗
Weight	79 kg.



TIG 6000 G Inverter Gas Generator

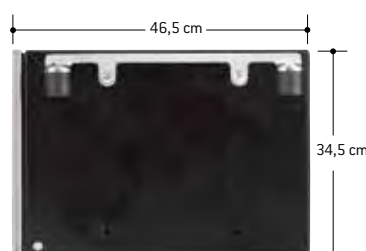


- Stainless steel hatch
- Removable interior
- 2 attachment systems
- Variable speed adjuster

Technical specifications	TIG 6000 G
Engine	YAMAHA MZ 300
Rotation speed	2400 - 3600 rpm
Max. power output	5 kW - 230V 10 A / 13,5Vdc
Distortion Frequency	50 Hz 1%
Start-up	Electric
Noise level	54-68 dBA (7m)
Max fuel consumption	0,39 kg/KW/h
Dimensions	34,5x65,5x46,5 cm
Weight	80 kg.



The TIG 6000 G is a latest-generation 230 V AC inverter generator powered by a liquefied petroleum gas (LPG) engine. The rotation speed is commanded by a newly developed electronic variable speed system which functions with an extremely low noise level as well as greatly reduced average petrol consumption. Inverter technology provides a highly stable power flow by pure sine wave. The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values. The generator can be set to manual or automatic mode (if it's also used as a battery charger). It also has a BOOST button which can be used when a temporary increase of power for a very high electric load is needed. It also has a special interface which makes it possible to use the new Teleco-Hub App to switch the generator on/off and control it remotely using an iOS or Android smartphone.



TIG 3100 B Inverter Petrol Generator



 230 Vac

- Stainless steel hatch
- Removable interior
- 2 attachment systems
- Variable speed adjuster

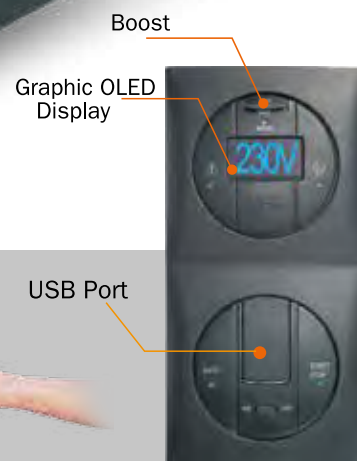
The TIG 3100B is a new generation 230 V AC inverter generator powered by a petrol engine.

The rotation speed is commanded by a newly developed electronic variable speed system which functions with an extremely low noise level as well as greatly reduced average petrol consumption. Inverter technology provides a very stable flow of power by pure sine wave.

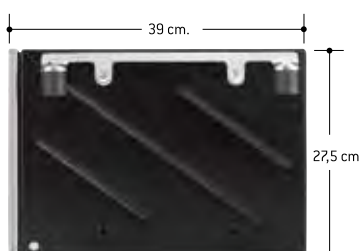
The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values.

The generator can be set to manual or automatic mode (if it's also used as a battery charger). It also has a BOOST button which can be used when a temporary increase of power for a very high electric load is needed.

It also has a special interface which makes it possible to use the new Teleco-Hub App to switch the generator on/off and control it remotely using an iOS or Android smartphone.



Technical specifications	TIG 3100 B
Engine	YAMAHA MZ 175
Rotation speed	2700 - 3900 rpm
Max. power output	2,7 KW - 230V 10 A /13,3Vdc
Distortion Frequency	50 Hz 1%
Start-up	Electric
Noise level	52-60 dBA (7m)
Max fuel consumption	0,39 kg/kW/h
Dimensions	27,5x51,5x39 cm ↑ → ↗
Weight	52 kg.



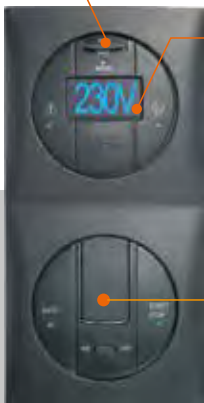
TIG 3100 G Inverter Gas Generator



Boost

Graphic OLED Display

230 Vac



USB Port



- Stainless steel hatch
- Removable interior
- 2 attachment systems
- Variable speed adjuster

Technical specifications	TIG 3100 G
Engine	YAMAHA MZ 175
Rotation speed	2700 - 3900 rpm
Max. power output	2,7 KW - 230V 10 A / 13,3Vdc
Distortion Frequency	50 Hz 1%
Start-up	Electric
Noise level	52-60 dBA (7m)
Max fuel consumption	0,4 kg/KW/h
Dimensions	27,5x51,5x39 cm ↑ → ↘
Weight	53 kg.



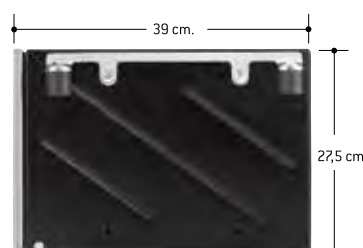
The TIG 3100 G is a new-generation 230 V AC inverter generator powered by a GAS engine (LPG).

The rotation speed is commanded by a newly developed electronic variable speed system which functions at an extremely low noise level and greatly reduces average gas consumption. Inverter technology provides a very stable flow of power by pure sine wave.

The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values.

The generator can be set to manual or automatic mode (if it's also used as a battery charger). It also has a BOOST button which can be used when a temporary increase of power for a very high electric load is needed.

It also has a special interface which makes it possible to use the new Teleco-Hub App to switch the generator on/off and control it remotely using an iOS or Android smartphone.



TIG 3000 D Inverter Diesel Generator



 230 Vac

- Stainless steel hatch
- Removable interior
- 2 attachment systems
- Variable speed adjuster

The TIG 3000 D is a new-generation 230 V AC inverter generator powered by a Diesel engine.

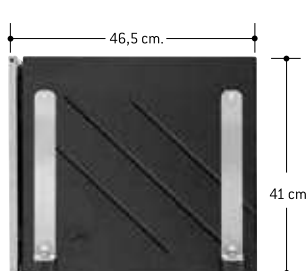
The rotation speed is commanded by a newly developed electronic variable speed system which functions at an extremely low noise level and greatly reduces average diesel consumption. Inverter technology provides a very stable flow of power by pure sine wave.

The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values. The generator can be set to manual or automatic mode (if it's also used as a battery charger). It also has a BOOST button which can be used when a temporary increase of power for a very high electric load is needed.

It also has a special interface which makes it possible to use the new Teleco-Hub App to switch the generator on/off and control it remotely using an iOS or Android smartphone.



Technical specifications	TIG 3000 D
Engine	HATZ 1B20 V
Rotation speed	2400 - 3200 rpm
Max. power output	2,5 KW - 230V 10 A /13,3Vdc
Distortion Frequency	50 Hz 1%
Start-up	Electric
Noise level	58-61 dBA (7m)
Max fuel consumption	0,34 kg/kW/h
Dimensions	41x58,5x46,5 cm ↑ → ↗
Weight	87 kg.





Energy 2510 G Gas Generator



 230 Vac

- Remote control panel
- Stainless steel hatch
- Removable interior
- 2 attachment systems



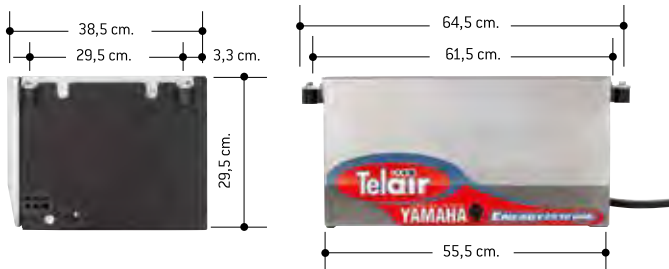
Option **ASP**
Automatic Starter Control Panel

Super-silent GAS generators with Yamaha engine, contained in a sound- proofed metal casing. Fully automatic electronic starting system complete with remote control panel with 5 m cable equipped with: total and partial hour counter, oil and gas level indicator lights, overheating indicator with automatic engine stop. Built-in battery charger, 12 Volts/10A. Pull out drawer for easy generator maintenance. 2 fixing system.

The ASP panel allows automatic power on/off if the generator is connected to a battery charger (230/12 Volt) with relative battery.

Technical specifications	Energy 2510 G
Engine	YAMAHA MZ 175
Rotation speed	Syncon
Max. power output	2,5 KW - 230V 10 A /12Vdc
Frequency	50 Hz
Start-up	Electric
Noise level	58 dBA (7m)
Max fuel consumption	0,8 kg/h
Dimensions	29,5x55,5x38,5 cm ↑ → ↘
Weight	60 kg

ENERGY 2510 G



Energy 2510 B Petrol Generator



 230 Vac



Option **ASP**
Automatic Starter Control Panel



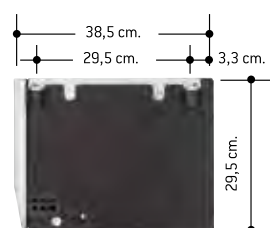
- Remote control panel
- Stainless steel hatch
- Removable interior
- 2 attachment systems

Technical specifications	Energy 2510 B
Engine	YAMAHA MZ 175
Rotation speed	Syncron
Max. power output	2,5 kW - 230V 10 A /12Vdc
Frequency	50 Hz
Start-up	Electric / Manual
Noise level	58 dBA (7m)
Max fuel consumption	1,2 Lt/h
Dimensions	29,5x55,5x38,5 cm ↑ → ↗
Weight	60 kg.

Super-silent petrol generators with Yamaha engine, contained in a sound- proofed metal casing. Fully automatic electronic starting system complete with remote control panel with 5 m cable equipped with: total and partial hour counter, oil and petrol level indicator lights, overheating indicator with automatic engine stop. Built-in battery charger, 12 Volts/10A. Pull out drawer for easy generator maintenance.

The ASP panel allows automatic power on/off if the generator is connected to a battery charger (230/12 Volt) with relative battery.

ENERGY 2510 B



Accessories 230 V ac Generators



S15

15 L petrol and diesel tank, complete with filler and reserve indicator.



S15B

15 L petrol and diesel tank, complete with filler and reserve indicator.



SS15

Tank bracket.



SP15

Folding brackets for fuel tank attachment.



TB40

Ø 40mm petrol pipe connecting the S15 tank to petrol filler.



KTB

Petrol pipe kit for S15 tank



KTD

Diesel pipe kit for S15 tank



TB6 - TB7 - TB5

TB6 – pipe 6x12 for petrol
TB7 – 7x13 delivery pipe for diesel
TB5 – 5x 12 return pipe for diesel



RB

Petrol fuel tap with brackets



FB

Petrol filter



PEC

Electric fuel pump



FD

Diesel filter



MSE
Spacer box for control panel



CDR10 - CDR15
CDR10 - 10 m panel connecting cable
CDR15 - 15 m panel connecting cable



RELÈ 12V 200A
To temporarily connect the engine
battery and service battery



CR
Relay for automatic mains power / Energy
generator switchover.



RCB
Battery charge adjusting unit.



KMD
90° connecting pipe kit for diesel
generator



MAE/2
Additional muffler for petrol generator Energy
2510B and gas generator Energy 2510G.
Pipe length: 1 m dish



MAE/4
Additional muffler for petrol generator Energy
4010B and gas generator Energy 4010G.
Pipe length: 2 m



PM22 - PM30
PM 22 - Hose Ø 22 for additional muffler MAE/2
PM 30 - Hose Ø 30 for additional muffler MAE/4
and Diesel

ECOENERGY Lithium

Gas battery charger, ideal for the latest Lithium (LiFeP04) batteries.



TG 480 • TG 480 MEF • TG 600 MEF

12 Vdc - 480/600 A*

*480 / 600 A - Daily production



ECOENERGY CONTROL PANEL

- 1 - Overheating and low oil level warning light
- 2 - ECOENERGY operation phases indicator light
- 3 - Automatic Start and Shutdown
- 4 - Forced Manual Start Button. Used if you wish to switch on the ECOENERGY even if battery voltage is above the minimum threshold of 11.9 Volt. When a voltage of 14.5 Volt is reached the ECOENERGY switches off the engine automatically and reverts to stand-by.

Very powerful: a battery charger with a charge capacity more than double that of a fuel cell or a 100 W solar panel

Fully automatic:

starts when the battery is running low (11.9 V) and stops when it is charged (14.5 V). Quiet: thanks to thick soundproof insulation, there is a very low amount of emitted noise (only 51 dBA at 7 m) which is almost imperceptible.

Practical and ecological: just connect it to the gas cylinder already in your camper.

Remote control panel

	SOLAR PANEL 100W/h	FUEL CELL 105 W/h	ECOENERGY TG480 240W/H



Technical specifications	ECOENERGY TG 480	ECOENERGY TG 480 MEF	ECOENERGY TG 600 MEF
Automatic operation	Start 11,9V Stop 14,5 V	Start 11,9V Stop 14,5 V	Start 11,9V Stop 14,5 V
Working temperature with propane gas	+50°C ÷ -25°C	+50°C ÷ -25°C	+50°C ÷ -25°C
Rated current A/h	20 A/h (480 A/24h)	20 A/h (480 A/24h)	25 A/h (480 A/24h)
LPG gas fuel	30 mBar ± 2	30 mBar ± 2	30 mBar ± 2
Gas Consumption/Hour	270 g/h	270 g/h	290 g/h
Lube oil consumption	1 Lt / 115 h	1 Lt / 115 h	1 Lt / 115 h
LpA 7 m noise level	51 dBA	51 dBA	52 dBA
Weight	19 Kg	19 Kg	19 Kg
Dimensions without brackets	565x380x250 mm	565x380x250 mm	565x380x250 mm
Recommended batteries	160 ÷ 300 Ah	160 ÷ 300 Ah	160 ÷ 300 Ah
Supplied current can be selected: fixed or variable	–		
High altitude operation up to 2300 m	–		
Connection cable with control unit	5 mt	5 mt	5 mt



Accessories for ECOEnergy and 12 V DC generators

Installation brackets



SMTG
90° mounting bracket.



SPTG
Floor fastening.



SSTG
Hung bracket.



SATG
Bracket for AL-KO frame.



KPTAG
Conversion KIT from SPTG to SATG.



KPSTG
Conversion KIT from SPTG to SSTG.



KESMTG
SMTG bracket extension KIT.

For lubrication

TGO 1000 - Description: 100% synthetic strawberry-scented special oil for 2-stroke engines.

It considerably reduces the emission of smoke and bad smell from the exhaust pipe, keeping the motor clean and always ready to start (0.45 l).



TGO 1000



SOR

Remote Oil tank kit.
Pipe length: 2.7 m

Switches, clamps and cables



SWTG

Disconnecting switch kit for TG 480 / TG 480 MEF / TG 600 MEF



MB3P

3-way multiple clamp for battery Positive Pole (+).



MB3N

3-way multiple clamp for battery Negative Pole (-).

Accessories for intake and exhaust gas



TSA50

Metal exhaust pipe, Ø 50. Standard length: 1 m dish



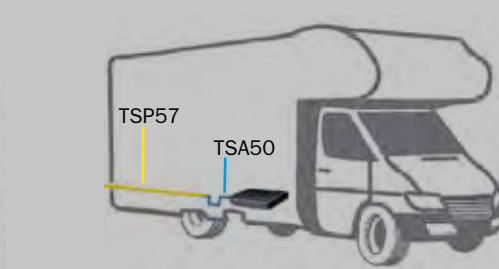
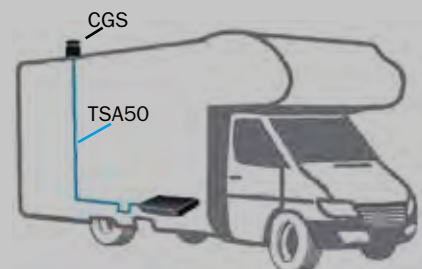
TSP57

Ø 57 PVC tube for hot air. Standard length: 10 m dish



MAG

Supplementary exhaust 450mm x 70mm

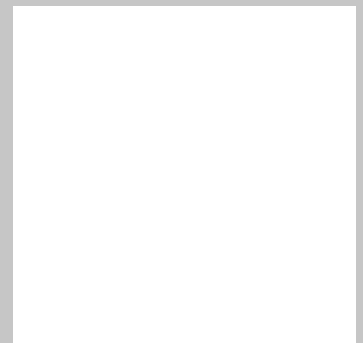


Gas pipes and couplings



RG8

K8x8 gas tap.



Other accessories



KSS

Start threshold kit (12.04 V; 12.18 V; 12.32 V).



KH

Hour counter kit.

PREMIUM

lithium batteries

3 Power Points, one single (DIN) case

12/104 DIN - 12/120 DIN - 12/150 DIN

NEW



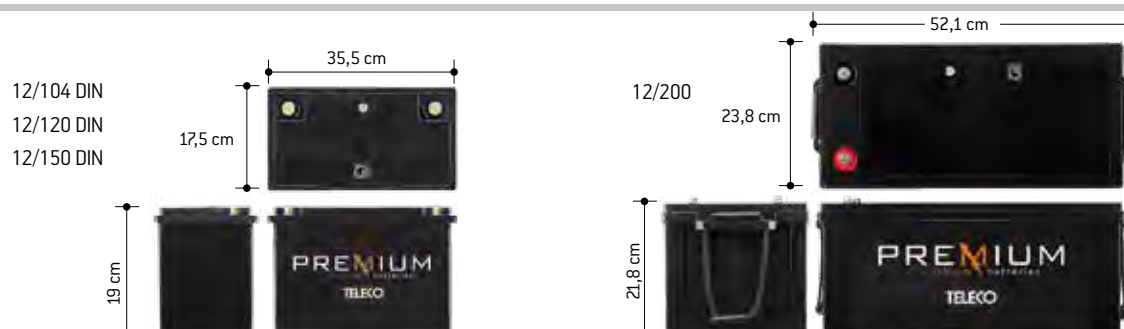
WIRELESS)))

Teleco Lithium Ion batteries (LiFeP04)

Innovative Teleco batteries with Lithium-ion technology, specifically designed for leisure vehicles.

Compared to traditional batteries they have numerous advantages:

- They are up to 70% lighter and smaller
- They charge much faster, and can be fully charged in less than an hour
- They are extremely long-lasting. They can be recharged up to 5000 times, practically 10 times more than a traditional lead battery
- They can be fitted in any position
- They allow load starts with extremely high inrush currents
- They are safe thanks to utilisation of Lithium Iron Phosphate (LiFeP04 or LFP) technology
- They are ecological because they use materials of low environmental impact: they do not use lead or other harmful materials as per the ROHS directive.



TLI PREMIUM Range

TLI PREMIUM (professional) batteries stand out compared to other lithium batteries on the market because of their high energy density: weight and size being equal, they can store much higher quantities of energy. TLI PREMIUM batteries incorporate a sophisticated Battery Management System (BMS) that controls the voltage of each cell during both during charging/discharging, thus increasing its lifespan. The BMS also ensures protection against failure in the event of high temperatures, overloads and excessive discharging. It's possible to connect up to 2 batteries in series and up to 3 in parallel (batteries with the same capacity).

Key BMS features:

- Integrated CANBUS, CI BUS and Wireless communications
- Integrated solid-state relay for safety disconnection
- Autosleep mode and wakeup key
- Diagnostics and error log
- Control panel (optional) with charge indicator and input/output control from storage mode

The BMS also ensures protection against failure in the event of high temperatures, overloads and excessive discharging.

Guaranteed quality:

- Quality control performed at every single stage of production
- Latest-generation components



Compatible with CI-BUS systems

WIRELESS)))

TCP – OLED control panel

with charge indicator and input/output control from storage mode.

OPTIONAL



TECHNICAL SPECIFICATIONS

Model	TLI PREMIUM 12/104 DIN	TLI PREMIUM 12/120 DIN	TLI PREMIUM 12/150 DIN	TLI PREMIUM 12/200
Rated voltage	12,8V	12,8V	12,8V	12,8V
Maximum capacity	104 Ah	120 Ah	150 Ah	200 Ah
Energy	1280 Wh	1536 Wh	1920 Wh	2560 Wh
Recommended discharge current @ 25°C	20 Amp	24 Amp	30 Amp	40 Amp
Max continuous discharge current @ 25°C	100 Amp	120 Amp	150 Amp	200 Amp
Recommended charging current @ 25°C	20 Amp	24 Amp	30 Amp	40 Amp
Max charging current @ 25°C	100 Amp	120 Amp	150 Amp	200 Amp
Duration	2000 cycles @ 80% DOD @25°C with 80% residual energy			
Service life	5/7 years	5/7 years	5/7 years	5/7 years
Charging voltage	14,4 - 14,6 V	14,4 - 14,6 V	14,4 - 14,6 V	14,4 - 14,6 V
Weight	10,5 Kg	12,5 Kg	14,5 Kg	23,3 Kg
Dimensions [mm]	355x175xH190 DIN L5	355x175xH190 DIN L5	355x175xH190 DIN L5	521x238xH218
Terminal	SAE automotive	SAE automotive	SAE automotive	M8
Temperature, during charging	0 °C / +45 °C	0 °C / +45 °C	0 °C / +45 °C	-20 °C / +45 °C
Temperature, during discharging	-20 °C / +60 °C	-20 °C / +60 °C	-20 °C / +60 °C	-20 °C / +60 °C
Temperature, during prolonged storage	-10 °C / +50 °C	-10 °C / +50 °C	-10 °C / +50 °C	-10 °C / +50 °C
Certifications	IEC62133-2, EN55014-1, EN55014-2, UN38.3, RoHs, CE Conformity, UN ECE R10			

TCP – OLED control panel (opcional)

Dimensions [mm] (Compatible with Berker frames)	59,5 x 59,5 x H13
Displayed information	Voltage, Current, Power, State of charge, Alarms
Supplied	Ethernet cable (5 m)

EXTRA
lithium batteries



Technical specifications	TLI Extra 12/160
Rated voltage	12,8V
Capacity	100 Ah
Energy	2048 Wh
Recommended discharge current @ 25°C	32 Amp
Max continuous discharge current @ 25°C	100 Amp
Recommended charging current @ 25°C	32 Amp
Max charging current @ 25°C	100 Amp
Duration	2000 cycles @ 80% DOD @25°C with residual energy 80%
Service life	5/7 years
Charging voltage	14,4 - 14,6 V
Weight	20,5 Kg
Dimensions [mm]	485 x 170 x H241
Terminal	M8
Temperature, during charging	0 °C / +45 °C
Temperature, during discharging	-20 °C / +60 °C
Temperature, during prolonged storage	-10 °C / +50 °C
Certifications	IEC62133-2, EN55014-1, EN55014-2, UN38.3, RoHs, CE Conformity, UN ECE R10

TEB310ALP Analogue

Electronic control unit to control a camper with battery charger, connectors and fuses



The TEB310ALP is an analogue/digital electronic control unit equipped with a 230 V AC / 12 V DC battery charger that powers all the 12 V DC appliances in a camper.

The electronic control unit has a digital control module that performs the following functions:

- Charges all connected batteries - service (up to 20 A/h) and starter (6 A max.) - via the 230 V AC mains
- Distributes power to connected 12 V appliances
- Protection fuses for connected 12 V appliances
- Controls battery voltage and charge level (LITHIUM only) from the TEB310P panel
- Also charges the service battery and starter battery while driving (alternator)
- Charges batteries via external solar panel
- Disconnects all loads from the battery by acting on the appropriate switch, in case of storage
- Charge selector for 4 battery models: LITHIUM, AGM, ACID, GEL
- CI BUS connector, to be connected to LITHIUM batteries (latest generation) to display the charge level directly on the TEB310P panel
- Automatic switch-off device for appliances if battery charge drops below 11.00 V DC
- Automatic switching device for AES refrigerator / compressor refrigerator When the vehicle is on the move the control unit powers the refrigerator from the starter battery When the vehicle is stationary, the refrigerator is powered by the service battery
- RJ10 connector to connect the TEB310P Touch control panel with a simple 4-pin cable
- Connectors for connecting clean water and waste water tanks
- 3-way connector to connect the service battery, starter battery and TBooster (DC/DC Converter)
- Compact, lightweight structure (H x L x D) 130 x 270 x 170.5 mm. Weight 1700 g
- Easy access to fuses (all on front panel)
- Certifications **EC R10**



TEB310DP Digital

Electronic control unit to control a camper with battery charger, connectors and fuses



The TEB310DP is an analogue/digital electronic control unit equipped with a 230 V AC / 12 V DC battery charger that powers all the 12 V DC appliances in a camper.

The electronic control unit has a digital control module that performs the following functions:

- Charges all connected batteries - service (up to 20 A/h) and starter (6 A/h max.) - via the 230 V AC Mains
- Distributes power to connected 12 V appliances
- Protection fuses for connected 12 V appliances
- Controls battery voltage and charge level (LITHIUM only) from the TEB310P panel
- Also charges the service battery and starter battery while driving (alternator)
- Charges batteries via external solar panel
- Disconnects all loads from the battery by acting on the appropriate switch, in case of storage
- Charge selector for 4 battery models: LITHIUM, AGM, ACID, GEL
- CI BUS connector to be connected to LITHIUM batteries (latest generation) to display the charge level directly on the TEB310P panel
- 2 x CAN Bus connectors to send information to a compatible digital panel, even if made by another manufacturer (on request)
- Automatic switch-off device for appliances if battery charge drops below 11.00 V DC
- Automatic switching device for AES refrigerator / compressor refrigerator When the vehicle is on the move the control unit powers the refrigerator from the starter battery When the vehicle is stationary, the refrigerator is powered by the service battery
- RJ10 connector to connect the TEB310P Touch control panel with a simple 4-pin cable
- Connectors for connecting clean water and waste water tanks
- 3-way connector to connect the service battery, starter battery and TBooster (DC/DC Converter)
- Compact, lightweight structure (H x L x D) 130 x 270 x 170.5 mm. Weight 1700 g
- Easy access to fuses (all on front panel)
- Certifications **EC R10**



TEB310P

Touch control panel



TEB310P	
Power supply	12 V DC (9-16 V DC) from TEB310AL or TEB310D
Absorbed current	- Standby <5 mA - Max. 40 mA with all LEDs On
Control panel	Touch technology. Works both with vehicle on the move (D+ Active) and with vehicle stationary
Dimensions (L x H x D)	150 x 95 x 10 mm
Structure	Wall bracket in PCA with screws and snap-fit + Tempered glass
Weight	74 g
Certifications	EC R10



TBOOSTER PRO 1245



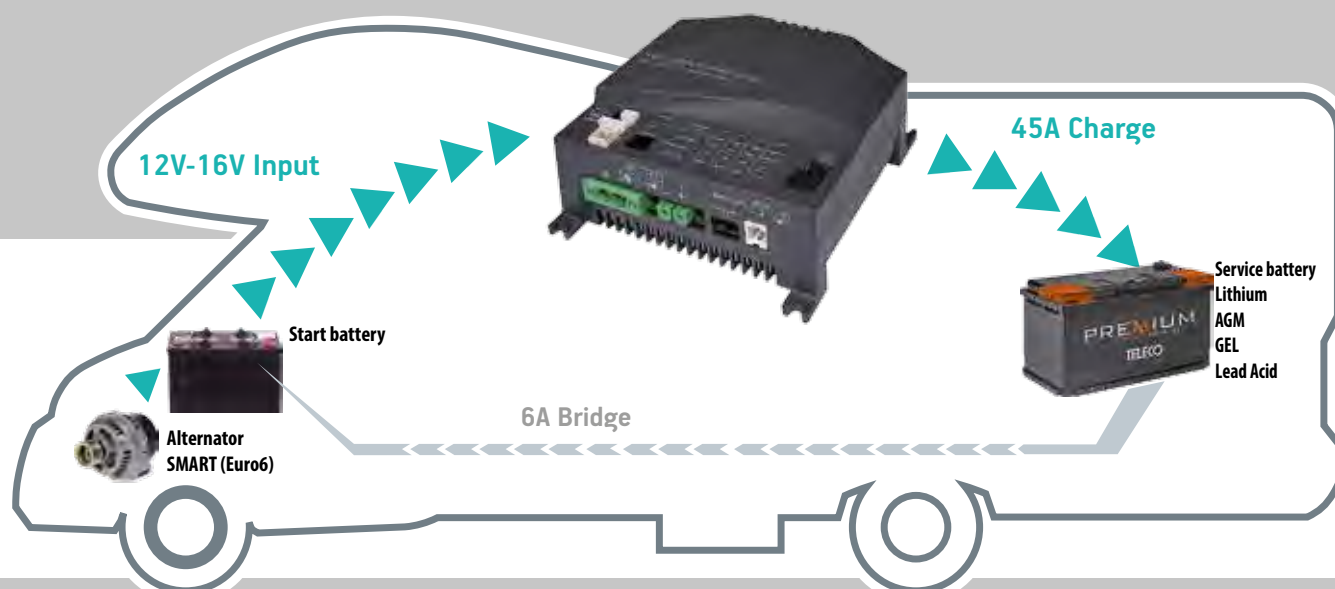
12V DC/DC converter 70 Amp



The TBooster PRO 1245 is a DC/DC converter designed for optimal charging of 12V service batteries while driving.

Thanks to step up/down technology, this device compensates the alternator voltage, making it appropriate to handle each stage of battery charging. In addition to being indispensable in EURO6 vehicles, where the energy-saving strategy makes the alternator voltage variable according to the driving status, this device is also particularly suitable for conventional alternators because it guarantees a full and more efficient charge, especially in systems with particularly long wiring.

- Step up/down converter to adapt alternator voltage
- Charging curve for lead acid, gel, AGM and lithium batteries
- Temperature compensation (if temperature sensor is connected)
- Starter battery voltage control
- Inhibits the discharge of the service battery to the starter battery
- Compact and lightweight design
- High efficiency, over 90%
- "Bridge" function (with manual selector) to charge the starter battery in case of emergency
- Possibility of limiting power in order not to overload the alternator



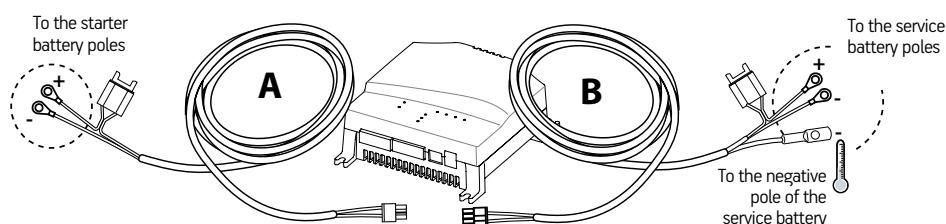
Technical specifications	
Range tensione in ingresso	10,5 – 15V
Max input voltage	16
Max input current	65A
Max charging current	70A
Rated current	45A
Service battery	Lead acid, Gel, AGM and Lithium batteries
Consumption with engine off	<1mA
Efficiency	>=93%
Safety	OUTPUT overcurrent (fuse+electronic), overvoltage Overtemperature (with derating)
Connections	Battery cable cross-section up to 16mm ²
Dimensions (L x D x H)	167 x 185 x 72
Weight	1140g

A) Cable for compensating the voltage drop on the connection to the engine battery.

B) Cable for compensating the voltage drop on the service battery connection and adjusting the charge according to the temperature of the service battery.



Connectors, fuses and terminals KIT



Battery sensor cable kit

TBOOSTER PRO 1225

The TBooster PRO 1225 is a DC/DC converter designed for optimal charging of 12V service batteries while driving.

Thanks to step up/down technology, this device compensates the alternator voltage, making it appropriate to handle each stage of battery charging. In addition to being indispensable in EURO6 vehicles, where the energy-saving strategy makes the alternator voltage variable according to the driving status, this device is also particularly suitable for conventional alternators because it guarantees a full and more efficient charge, especially in systems with particularly long wiring.

- Step up/down converter to adapt alternator voltage
- Charging curve for lead acid, gel, AGM and lithium batteries
- Temperature compensation (if temperature sensor is connected)
- Starter battery voltage control
- Inhibits the discharge of the service battery to the starter battery
- Compact and lightweight design
- High efficiency, over 90%



Technical specifications	
Range tensione in ingresso	12V
Max input voltage	16V
Max input current	30A
Max charging current	32A
Rated current	25A
Service battery	Lead acid, Gel, AGM and Lithium batteries
Consumption with engine off	<1mA
Efficiency	>=90%
Safety	OUTPUT overcurrent (fuse+electronic), overvoltage Overtemperature (with derating)
Connections	Battery cable cross-section up to 16mm ²
Dimensions (L x D x H)	95 x 148 x 55
Weight	360g



Compatible with CI-BUS systems

SINUS INVERTER

INVERTER with pure sine wave

Pure sine wave inverters are ideal for powering all on-board household devices at 230 Volts at up to 2000 Watts continuous power and 4000 Watts peak power.

They operate with the 12V current supplied by the battery and, thanks to the ACT (AC Transfer) function, also with an external mains current if available when the vehicle is stationary. The external mains source has priority and switching is performed automatically in order to conserve battery power.

Advanced control electronics optimise operation and ensure protection against short circuits and overloads.

Schuko output sockets and a USB port for charging mobile devices are available.

TI 400 SI-ACT - TI 600 SI-ACT TI 1500 SI-ACT - TI 2000 SI-ACT

Tips on proper operation:

- Use an alternator with a capacity of at least 90A to run a Telair Silent 5400H air conditioner when driving
- Service battery capacity must be at least 100 Ah



TI 400 SI-ACT	
Rated input voltage (DC)	12 V
Input operating range (DC)	11 - 14,5 V
Output wave form	Pure sine wave
Rated Output Voltage	230 V / 50 Hz
Continuous output power	400 W
Peak output power	800 W
Short circuit / overload protection	Yes
Dimensions (LxDxH)	210x105x60 mm
Weight	1000 g



TI 600 SI-ACT	12V	24V
Rated input voltage (DC)	12 V	24 V
Input operating range (DC)	11 - 14,5 V	22 - 29 V
Output wave form	Pure sine wave	Pure sine wave
Rated Output Voltage	230 V / 50 Hz	50 Hz
Continuous output power	600 W	600 W
Peak output power	1200 W	1200 W
Short circuit / overload protection	Yes	Yes
Dimensions (LxDxH)	300x143x75 mm	300x143x75 mm
Weight	1900 g	1900 g

**TI 1500 SI-ACT**

Rated input voltage (AC)	230 V / 50 Hz
Rated input voltage (DC)	12 V
Input operating range (DC)	10,5 - 15,5 V
Output wave form	Pure sine wave
Rated output voltage	230 V / 50 Hz
Continuous output power	1500 W
Peak output power	3000 W
Short circuit / overload protection	Yes
Dimensions (LxDxH)	320x220x90 mm
Weight	5300 g

**NEW****TI 2000 SI-ACT**

Rated input voltage (AC)	230 V / 50 Hz
Rated input voltage (DC)	12 V
Input operating range (DC)	10,5 - 15,5 V
Output wave form	Pure sine wave
Rated output voltage	230 V / 50 Hz
Continuous output power	2000 W
Peak output power	4000 W
Short circuit / overload protection	Yes
Dimensions (LxDxH)	380x220x90 mm
Weight	5600 g

Portable Power Station



Telair portable batteries to power equipment anywhere.
 Light, with user-friendly carry handle.
 Easy to charge via mains, cigar lighter socket or solar panel.
 Loads can be powered via sinusoidal output, 12 V output or USB ports.

PPS500	
Battery capacity	460Wh
Battery type	Li-ion
Input for charging from AC mains	100÷240V 50/60Hz
Solar panel input	12÷18V / 3A
Cigar lighter charging input	√
AC output	220÷240V 50/60Hz
AC output rated power	500W
USB output	5V / 2,1A
Type C USC output	5V / 3A
DC output	10÷14,6V / 8A
Sine output wave form	√
Response time	≤5ms
Net weight	6,5kg
Size LxDxH	290 x 159 x 158mm
Operating temperature	-20 ÷ +60°C
Overload protection	√
Short circuit protection	√
Overheating protection	√
Overcharging protection	√
Excessive discharge protection	√

PPS1000	
Battery capacity	1110Wh
Battery type	Li-ion
Input for charging from AC mains	100÷240V 50/60Hz
Solar panel input	18÷30V / 3A
Cigar lighter charging input	√
AC output	220÷240V 50/60Hz
AC output rated power	1000W (2000W peak)
USB output	5V / 2,1A
QC 3.0 output	5V/3A - 9V/2A - 12V/1,5A
Type C USC output	PD 60W - 5V/3A - 9V/3A - 12V/3A 15V/3A - 20V/3A
DC output	12V / 8A
Sine output wave form	√
Response time	≤5ms
Net weight	11kg
Size LxDxH	320x230x260 mm
Operating temperature	-10 ÷ +60°C
Overload protection	√
Short circuit protection	√
Overheating protection	√
Overcharging protection	√
Excessive discharge protection	√

Black Portable Power Solar Panel



Specifications	TBSP 90WS
Solar Panel	90W (3pcs) Monocrystalline silicon
USB Output	5V / 2.4A
USB 3.0QC Output	5V/2.4A, 9V/2A, 12V/1.5A
DC Output	12V-18V / 5A
Type C Output	5V/3A, 9V/3A, 12V/2.5A, 15V/2A, 20V/2A, PD 60W
Size (folded)	545x350x30mm
Size (unfolded)	1058x545x5mm

Products that can be sold separately or as optional items for our Power Stations





Steril Air UV-A



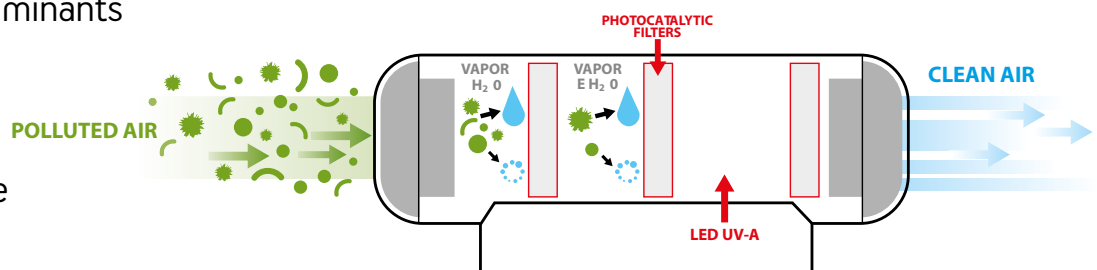
After 30 minutes
vir

UV-A LED air sanitizer and purifier

Improve the quality of the air you breathe in all the environments you live in every day.

UV-A LED technology with photocatalysis, which is highly efficient in removing:

- Organic contaminants
- Bad odours
- Viruses
- Bacteria
- Formaldehyde
- Benzenes



ADVANTAGES OF A UV-LED DEVICE



SAFE

Thanks to LED UV-A technology, the device is completely safe and can be used where people or animals are present



24H SANITIZATION

Can be used 24/7, ensuring continuous air sanitization.



ENERGY EFFICIENCY

Has low energy consumption, thus ensuring optimal energy efficiency. Moreover, unlike slower mercury lamps, it comes on instantaneously.



NO CHEMICAL SUBSTANCES USED

Compared to other technologies like ozone and mercury lamps, UV-A LEDs are much safer for people and have no environmental impact as no chemical substances are used.



HIGH PERCENTAGE OF VIRUSES AND BACTERIA ELIMINATED (SARS COV-2 included)

Has been certified by accredited laboratories.



LONGER LASTING

Another key advantage of UV LEDs is that they last longer than mercury lamps.

Average UV LED lifespan: 20.000–30.000 hours

Average mercury lamp lifespan: 2.000–10.000 hours.

The photocatalysis system and UV-A LEDs proved effective in tests on SARSCoV-2 (covid 19).

After 30 minutes it reduces the viral load by 99.998%.



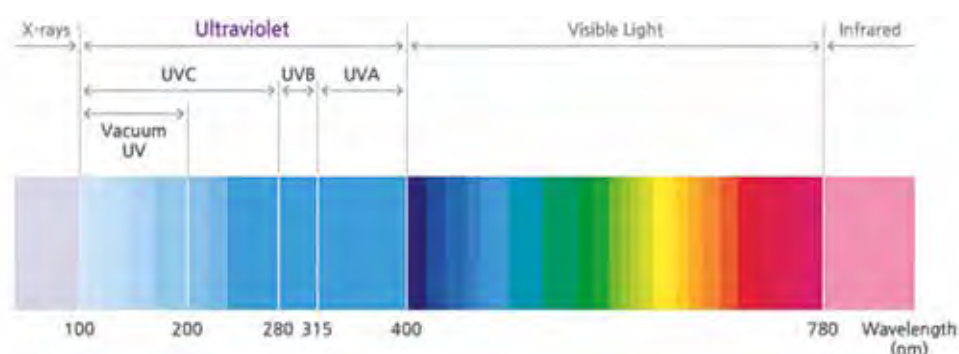
UV FILTERS

The function of UV filters are to destroy many harmful particles for our lungs. Many microorganisms which are normally found in the air and which we are unable to see with the naked eye are eliminated.

Remember that UV is just an acronym that stands for **Ultra Violet**.

Consequently, the UV purifier is a purifier that emits radiation in the Ultraviolet spectrum.

The figure shows the spectrum of light, including UV radiations. These are invisible to the human eye, which only perceives rays in a certain wave range (400 to 780nm).



UV-A LED: PROTECTION, SUSTAINABILITY AND EFFECTIVENESS

UV radiation, emitted by the sun, if properly dosed in intensity and wavelength, can be used in many applications in our daily lives. When applied to LED lamps, UV technology can be very useful in various sectors, and is used differently depending on intensity and wavelength (UV-A, UV-B, UV-C). In particular, it can be very effective in reducing the amount of bacteria, the virulence of harmful organisms and the presence of pathogens, as well as in the breakdown of volatile organic compounds (VOC), thus reducing odours in general.

TELECO



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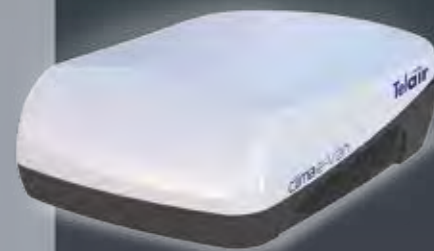
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