

TELECO

2023

Telair

EN



A perfect harmony of shapes, function and materials



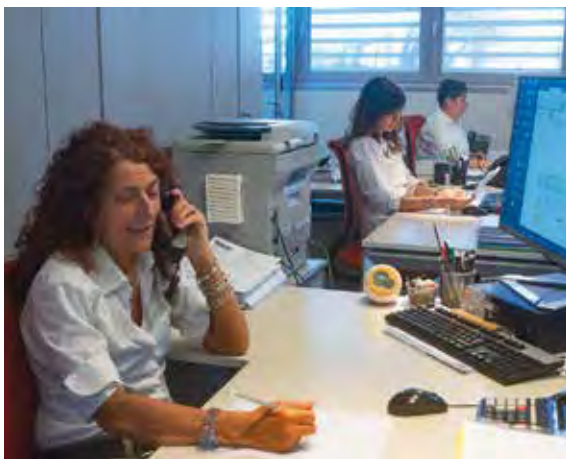
A design that perfectly blends in with any type of recreational vehicle, both with its external form and with every detail of its interior.

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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Portable Power Station 110

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.



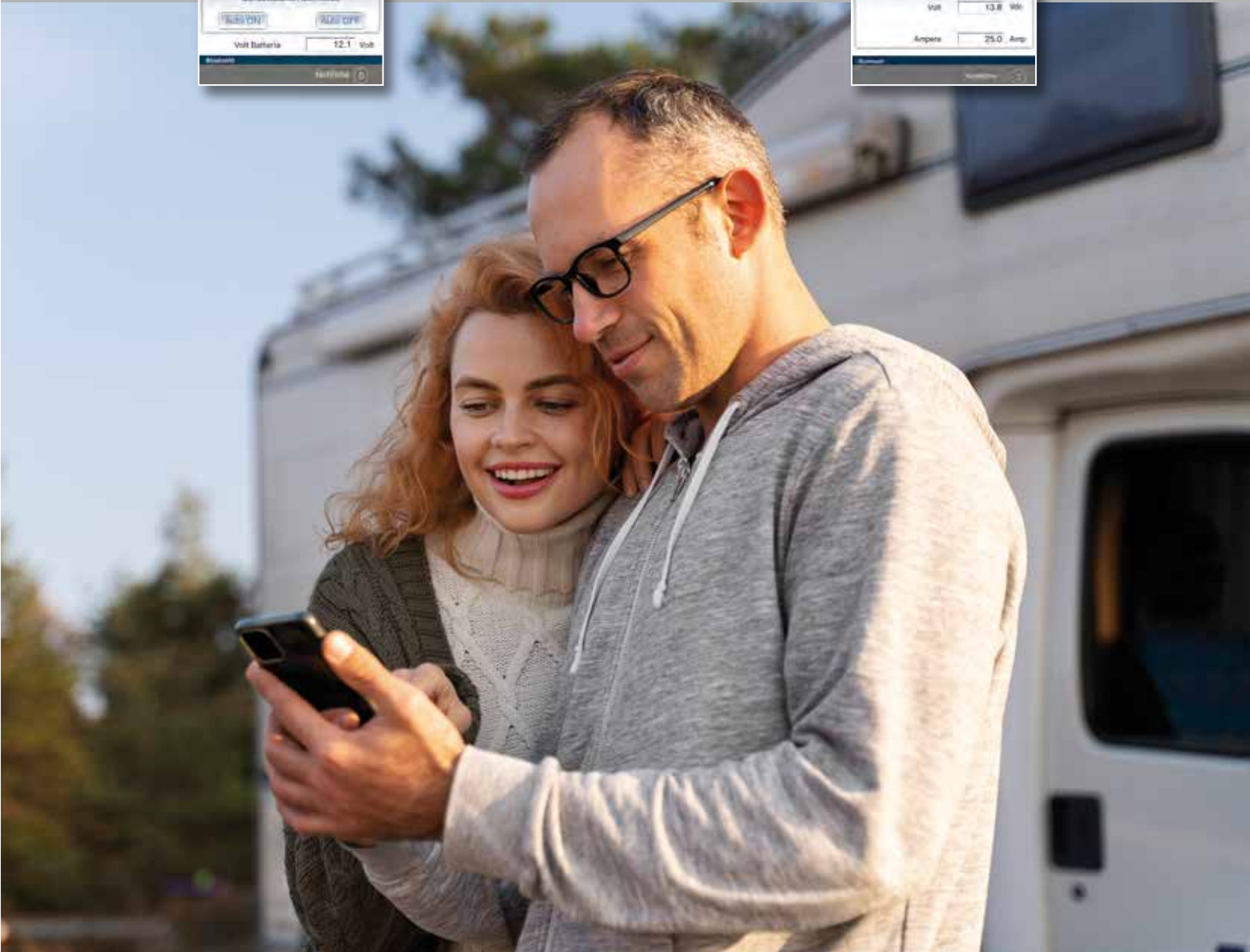
Turn lights on or off. Check the temperature inside the vehicle, the battery level and the drinking and waste water levels, or whether the door or the skylight is open or closed.

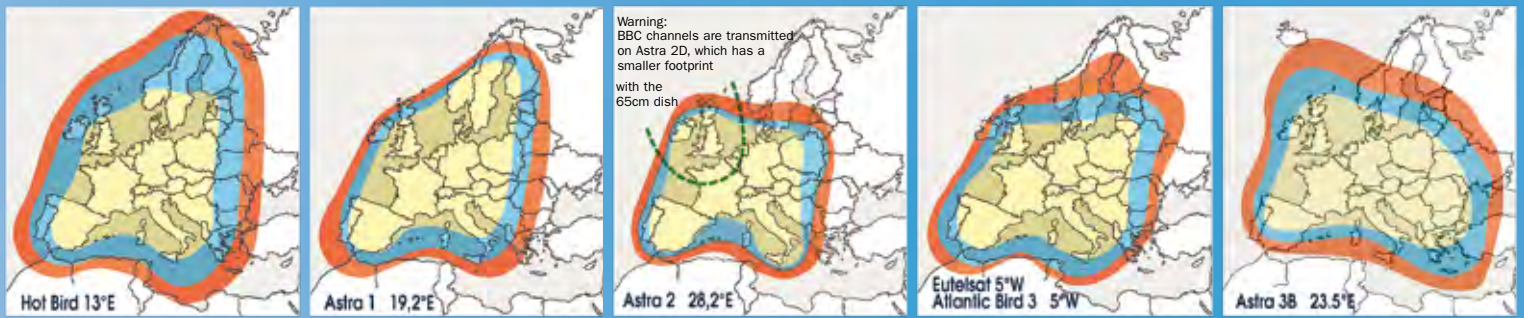


Turn the TIG generator on/off



Battery management





Footprint

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





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.



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





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



Mod. PAS/W
WESTACC



Mod. PAS/F
FAWO




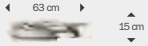

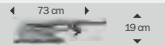
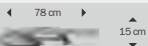

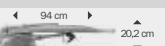
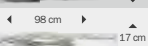

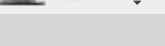
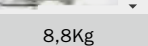
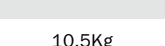
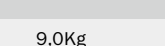


SE110C - EXTERNAL SIREN

(optional)
12 V DC - 110 dB

Automatic Satellite Antennas



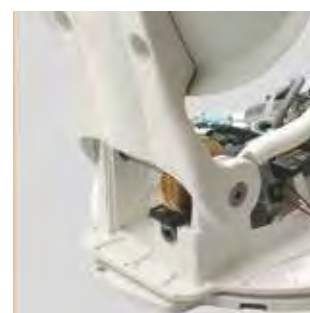
	Flatsat Classic BT	Flatsat Easy BT	Telesat BT
HD	✓	✓	✓
DVBS-2	✓	✓	✓
Mini Panel	 Display	 Display	 Display
Number of satellites	16	16	16
SMART control	option	option	option
LNB protective cover	–	✓	–
SKEW	–	–	–
Overall dimensions			
Closed			
			
			
Weight (approx.)	8,8Kg	10,5Kg	9,0Kg
	9,0Kg	11,6Kg	10,6Kg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



Display

16



10,8Kg

12,0Kg

72x67cm

91x85cm

TWIN

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



Just
15 cm
high

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

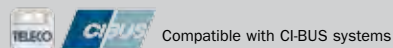


FULL HD

- Flatsat Classic BT consists of:
- 1 External satellite antenna
 - 1 DVB-S2 Control unit complete with leads
 - 1 Control panel



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

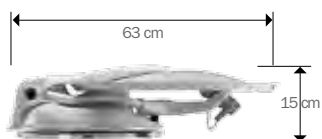


- Wall-mounted control panel with just two keys and display

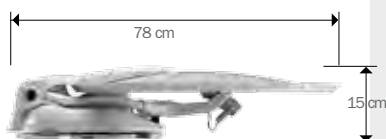
Optional:



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



Flatsat Classic BT 50
OPTIONS – TWIN: for 2 receivers
QUAD: for 4 receivers
Weight: about 8.8 kg
Dish dimensions: 49x45.5 cm



Flatsat Classic BT 65
OPTIONS – TWIN: for 2 receivers
QUAD: for 4 receivers
Weight: about 9.0 kg
Dish dimensions: 63.5x59 cm



Flatsat Classic BT 85
OPTIONS – TWIN: for 2 receivers
QUAD: for 4 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



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



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

Optional:

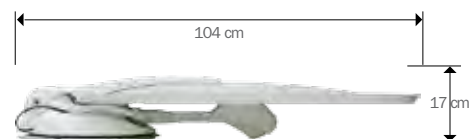


- SMART function When the user changes channel with the TV remote control the antenna automatically points itself at the satellite broadcasting the selected channel.

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.



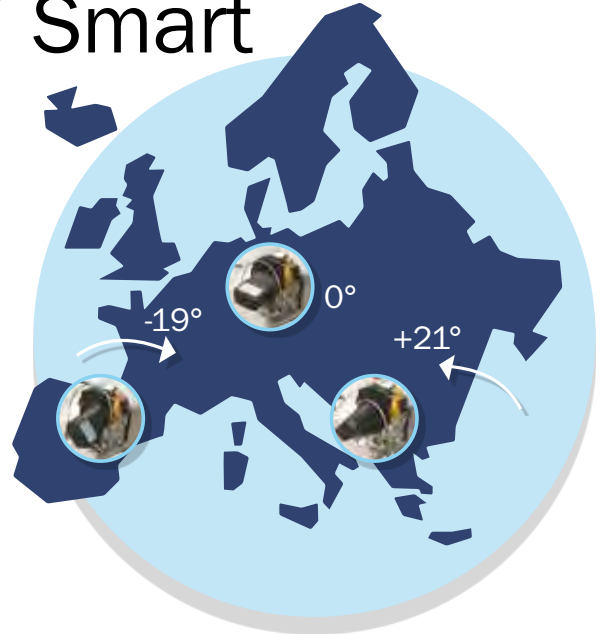
Flatsat Easy BT 70
 OPTIONS – TWIN for 2 receivers
 Weight: about 10.5 kg
 Dish dimensions: 72x67 cm



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

Flatsat Easy Skew BT Smart

SKEW Function: Automatic satellite alignment system with ultra-precise adjustment of the LNB angle for optimal reception thanks to a built-in GPS module. While at the centre of the footprint, the best reception is achieved with the LNB in horizontal position. On the contrary, at the South Eastern and South Western extremities of the Mediterranean area (e.g. Turkey and Morocco), customers have to climb onto the motorhome roof to rotate the LNB ANTICLOCKWISE or CLOCKWISE to obtain good reception. The SKEW function ensures that customers in these areas can have optimal reception. By means of the GPS module, the LNB 'knows' its exact position, and it AUTOMATICALLY ROTATES into the correct position for the BEST signal reception. All this without any need for you to do anything.



SMART

FULL HD



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.

- Flatsat Easy Skew BT Smart consists of:
- 1 External satellite antenna
 - 1 DVB-S2 Control unit complete with leads
 - 1 Control panel



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



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.



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



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

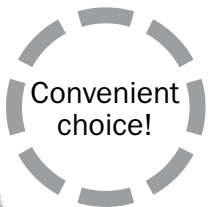


- Wall-mounted control panel with just two keys and display

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.



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.



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



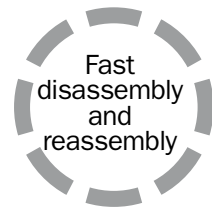
Carry Sat

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

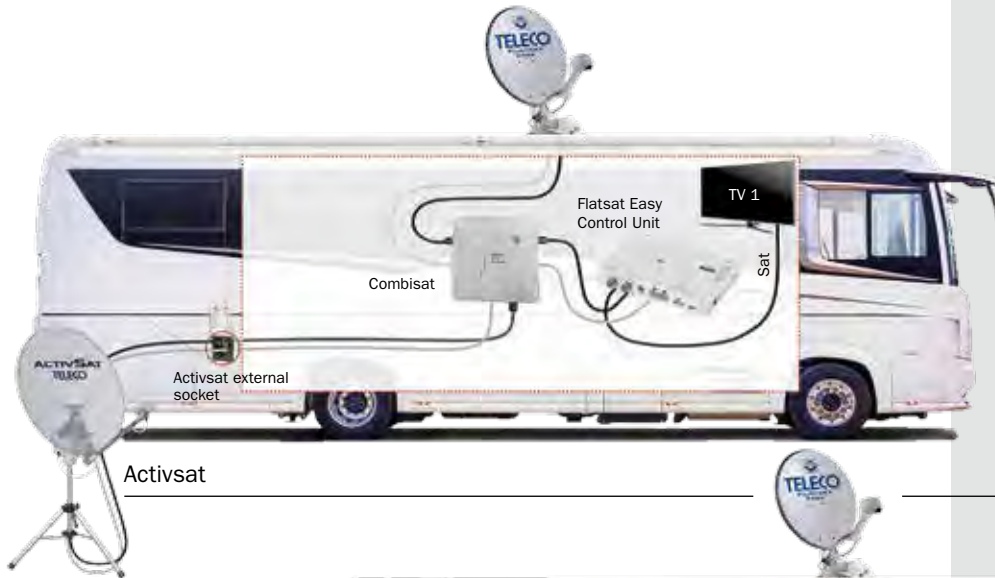
- Aluminium tripod (TP3 ALU) with umbrella opening and closing action equipped with a rotating upper section for easy alignment of the dish.
- Pre-assembled satellite dish of either 65 or 80 cm with fold-down LNB support arm
- Low noise universal LNB
- 10 m lead with connectors
- 3 pegs for securing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

Available Models:

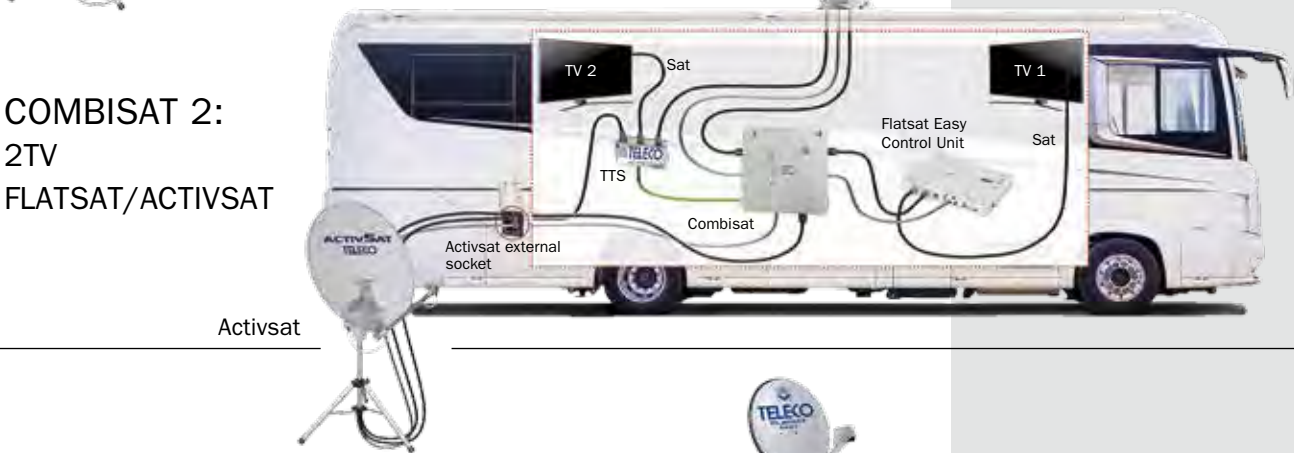
- CARRY SAT ALU 80 with 80 cm dish
- CARRY SAT ALU 65 with 65 cm dish
- The tripod is also available on its own, model TP3ALU



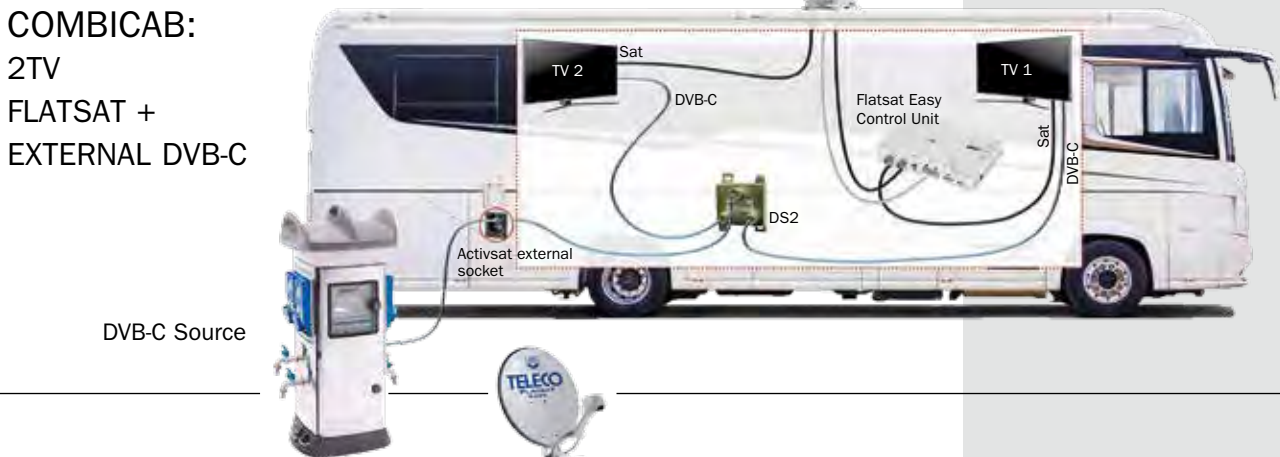
Flatsat, Activsat, Cable TV wiring diagrams with TV



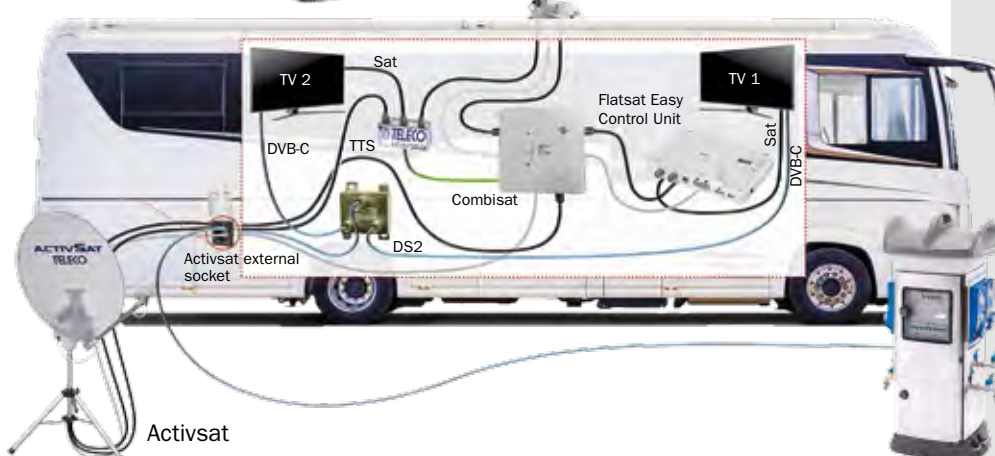
COMBISAT:
1TV
FLATSAT + ACTIVSAT



COMBISAT 2:
2TV
FLATSAT/ACTIVSAT



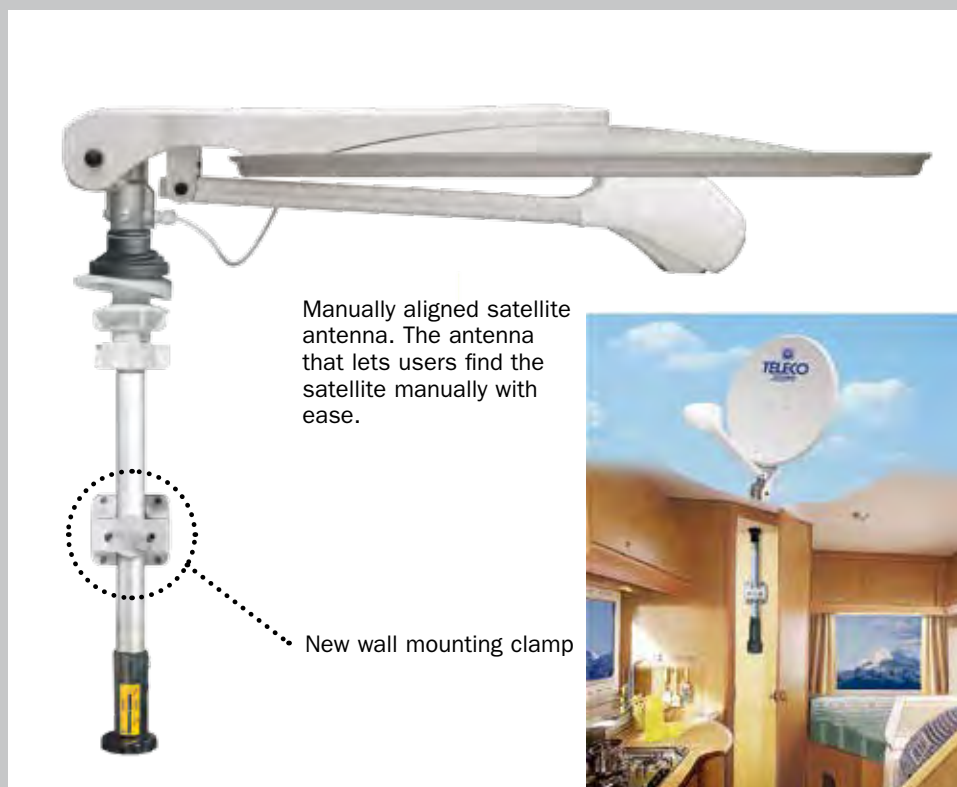
COMBICAB:
2TV
FLATSAT +
EXTERNAL DVB-C



COMBIMAX:
2TV
FLATSAT/ACTIVSAT
+EXTERNAL DVB-C



Manual and semi-automatic



Manually aligned satellite antenna. The antenna that lets users find the satellite manually with ease.

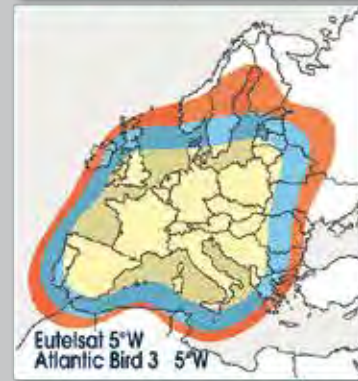
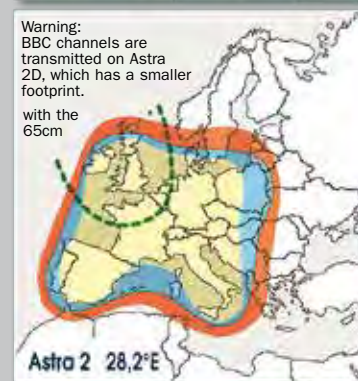
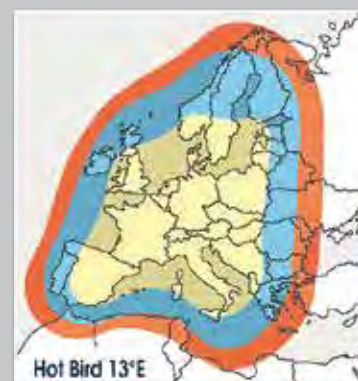
New wall mounting clamp

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.

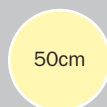
- Height when folded is just 17-18 cm.
- The lightweight aluminium arm firmly supports the satellite antenna, offers better wind resistance and provides an excellent signal reception surface.
- Fully equipped and totally watertight passage through the roof.
- Corrosion resistant anodised aluminium mast 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



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	6.8kg	6.8kg	
	65cm	9.2kg	9.2kg	8.0kg
	85cm	11.4kg	11.4kg	10.2kg
Dish dimensions	50cm	49x45.5 cm	49x45.5 cm	
	65cm	72x67cm	72x67cm	63.5x59cm
	85cm	91x85 cm	91x85 cm	85x78 cm

Voyager G3



FULL HD



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

New wall mounting clamp

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

Allows for extremely fast set-up

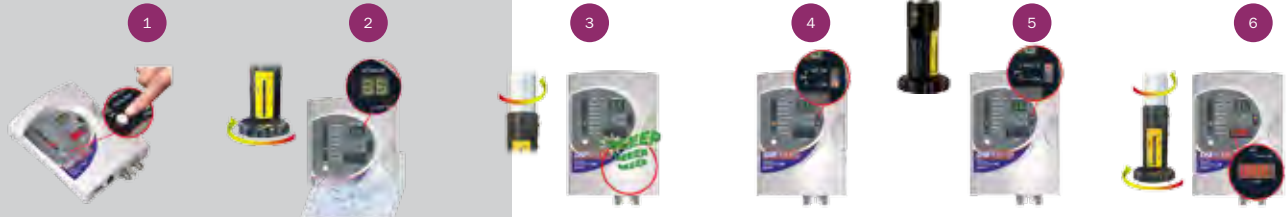
CONTENT OF EACH VOYAGER DIGIMATIC KIT

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



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

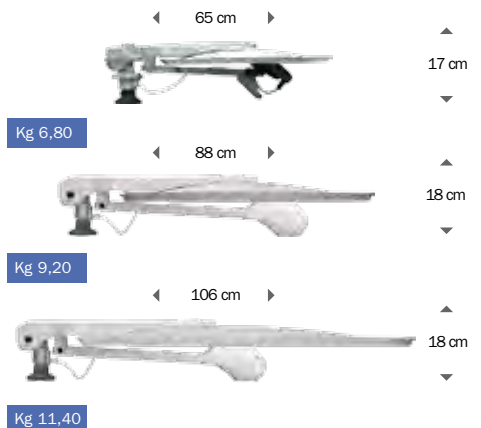


Short mast 33 cm

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

Voyager SM Digimatic 65:
with dish
72x67 cm

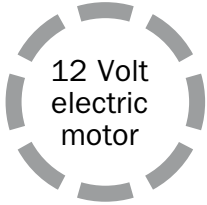
Voyager SM Digimatic 85:
with dish
91x85 cm



MotoSat DigiMatic

DVB S2

FULL HD

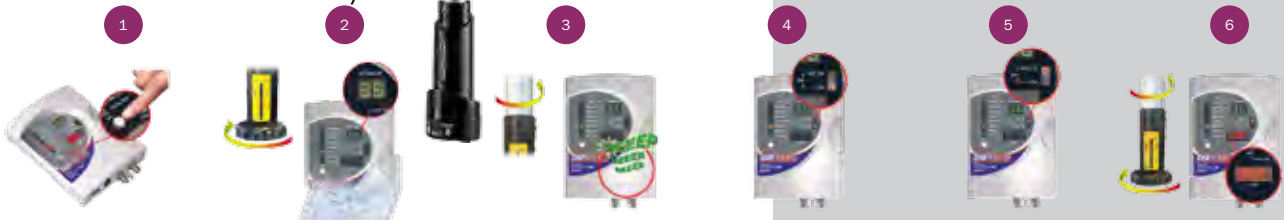


12 Volt electric motor



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.

Basically the MotoSat DigiMatic is the same as the MotoSat but is equipped with a digital aligner and an electronic inclinometer.

With MotoSat DigiMatic the user can align the dish manually with the satellite desired 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.

MotoSat DigiMatic is the solution to this problem. In addition to an electronic elevation controller, 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.



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



16 cm

MotoSat 65 DigiMatic with 63.5 x 59 cm dish

Kg 10,2

101 cm



16 cm

MotoSat 85 DigiMatic with 85 x 78 cm dish

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.



SPCA
Aluminium lead-through box for the roof

NEW



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



TNT SAT HD 12 Vdc Receiver

Techwood
TK90 TNT02B



HD

DOLBY DIGITAL PLUS

12 Vdc

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.

CAM modules



Tivusat HD CAM module with Smart Card included for watching Tivusat (also HD) satellite programmes with the FORCE HD CI+ receiver.

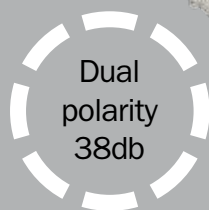


FRANSAT HD CAM module with SMART CARD for France only

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.



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



DVB T
DVB T2 HEVC
ULTRA HD 4K



Wedge shaped spacer for perfect adaptation to any roof shape

Simple, safe mast lock system

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.



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



Teleplus X2

Teleplus X2 /165VU
 Teleplus X2 /110VU
 Teleplus X2 /51VU

- 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



Teleplus 3G



DVB T
DVB T2 HEVC
ULTRA HD 4K

DAB+
Digital Audio Broadcasting

Filter
LTE

Directional antenna for 36 dB digital terrestrial signals

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).



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 • WING 11 • 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



Ultra-aerodynamic shaping



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

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

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.

Horizontal reception diagram



12/24 Vdc

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).

Gain with amplifier::	Power supply: 12/24 Volt
CH 5-12 9 dB	Diameter: 31 cm
CH 21-48 26 dB	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

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

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.

Horizontal reception diagram



12/24 Vdc

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).

Gain with amplifier::	Power supply: 12/24 Volt
CH 5-12 16 dB	Diameter: 38 cm
CH 21-48 26 dB	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

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

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.

Horizontal reception diagram



12/24 Vdc

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).

Gain with amplifier::	Power supply: 12/24 Volt
CH 5-12 22 dB	Diameter: 38 - 88 cm
CH 21-48 28 dB	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



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.

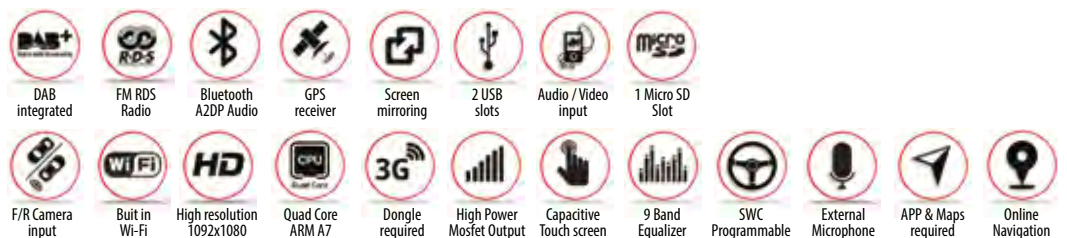
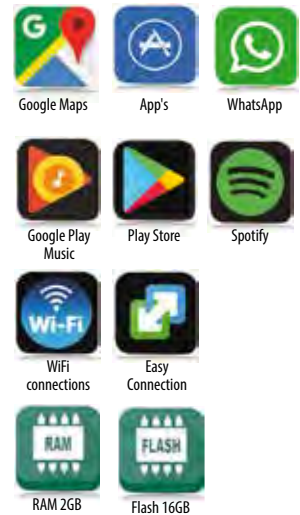


Functions

- FM/AM tuner with RDS
- Built-in DAB/DAB+ radio, DAB antenna included
- Built-in GPS receiver
- On-line navigation
- Network & 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/JEPG/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.

T-CPA 70 DAB CarPlay™

Maximum connectivity with the DAB receiver



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
- GPS receiver
- 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





Mobile Phone Professional Repeaters

phone **Boo**sterVan 2.0

TELECO
by **H**UAPTEC



4G - 3G - 2G

FaceBook, Instagram and WhatsApp in the palm of your hand at all times.

Want to be on-line at all times via your smartphone from the comfort of your camper, lying under your veranda, parked in your favourite spot with a fabulous view or while you're on your way to your holiday destination? With the TELECO PhoneBoosterVan you can! The new TELECO PhoneBoosterVan mobile phone booster will provide your phones with a 4G, 3G or GSM connection for uninterrupted Internet browsing*.

No more wasting time searching for a Wi-Fi network, the 4G network is always with you! Watch Netflix, films and let your kids play video games, even on the road. TELECO PhoneBoosterVan is the ideal internet source, enhancing the reception capacity of your phone by at least 400 times! Your phone will save lots of energy and your battery will stay charged much longer!

*Zones without any mobile phone signal excluded



TELECO PhoneBoosterVan is compatible with all iOS and Android devices.



TELECO PhoneBoosterVan is compatible with all mobile phone networks and does not require any SIM card



- 1 - external antenna - finds networks and captures their signals
- 2 - TELECO PhoneBoosterVan boosts signals by a factor of 400
- 3 - internal antenna, transmits boosted signals



App Signal Supervisor:
for smartphone control



App Signal Supervisor

Control App via Smartphone

To optimise the installation and precisely define the position of the antennas, it is essential to use the Signal Supervisor App which must be downloaded from the App Store.

Pair the App with your Booster via Bluetooth (see special instructions) and go to the Device Detail page to check if the system is working properly.

First, check the two most important parameters on the App:

- 1) **Status** indicators must be GREEN in all 5 bands.
- 2) The **Gain** values the Booster is using on the 5 bands must all be **50 dB**

If these 2 conditions are met, installation has been carried out correctly and you can secure the antennas permanently.



The dedicated, free Signal Supervisor app lets you keep your repeater under control via Bluetooth, anywhere and anytime.



All Teleco PhoneBoosterVan products are officially certified by accredited laboratories in compliance with all international and European health, safety and quality standards.



RED

PhoneBoosterVan KIT



phoneBoosterVan 2.0 TELECO by HUAITEC

All 5 Bands used by mobile phones in Europe are covered by the Booster Van: 800-900-1600-2100-2600 MHz
Power supply: 5-16 V DC

The mobile phone repeater kit includes:
1 Booster + 1 external antenna + 1 internal omnidirectional antenna.

Dimensions:
Booster: 116x98mm - External antenna: 95x85mm
Internal antenna: 160x17.5mm



WFT402 WiFi Router

Your personal Wi-Fi network, with you at all times.

If you want to make your camper truly autonomous and capable of making the most of available Internet connections, even in isolated areas, you can complement your TELECO PhoneBoosterVan with a Wi-Fi T402 VAN portable router (to be purchased separately). Operating at 12 V, this device will transform the amplified 4G - 3G Booster signal into a Wi-Fi source that lets you watch movies or your favourite series on NETFLIX on your tablet or SMART TV without any annoying interruptions.

Technical Specifications

Reception frequency:

GSM: 900/1800 MHz

3G-UMTS: 2100/900 MHz

4G-LTE: 800(B20), 900(B8), 1800(B3), 2100(B1), 2600(B7) MHz

2 internal 3G - 4G - and WiFi antennas

2 connectors to connect a TA095 antenna on the vehicle roof

SIM card reader

1 Ethernet port

LTE Category 4 Wireless CPE

LTE DL 150Mbps/UL 50Mbps

A maximum of a 4 users can be connected simultaneously

Power supply: DC 10.5 - 14.5 V/1A

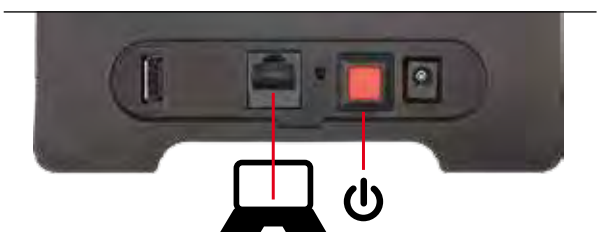


WFT402
Dimensions:
151x150x48 mm



SIM Card
not included

WPS



WiFi hot spot for Campers

OPTION
(PURCHASABLE
SEPARATELY)

TA095
Wide Band
Antenna
4G/3G/GSM



WFT402



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 Wi-Fi VAN T402 kit with high performance external antenna. This solution lets you pick up the mobile phone signals available in the parking area with your Wi-Fi VAN 402 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 Wi-Fi VAN T402 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 Wi-Fi VAN T402 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.



TA095
Optional:
External antenna
2G - 3G - 4G



WFT402
Optional:
WiFi router
(SIM card not included)



TRB4
Optional:
Wall fixing bracket

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°x178°), a DVB-S2 satellite input and DVB-T2 HEVC terrestrial input + Cable. Featuring DVD (19"-22"-24"), 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

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



TEK22D



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

- 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



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

TEK22E



22" HD TV FOR CARAVANS AND MOTORHOMES

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
- 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

- CONNECTIONS**
- 2 HDMI sockets
 - 1 SCART socket
 - 1 AV input 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



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

TEK24D



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

FULL HD

DVB S2 DVB T2 HEVC 10 Bit DVB C 9-32 Vdc

- 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
- 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: 558 x 336 x 46 mm



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

TEK24E



24" HD TV FOR CARAVANS AND MOTORHOMES

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

FRANSAT AND M7 WITH FAST SCAN FUNCTION

FULL HD

DVB S2 DVB T2 HEVC 10 Bit DVB C 9-32 Vdc

- 9 - 32 V DC or 230 V AC power supply
- 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
- 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: 2.7 kg
Dimensions without feet: 550 x 50 x 325 mm



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

TEK32DE



32" HD TV FOR CARAVANS AND MOTOR-HOMES WITH DVD PLAYER

DVB-S2 SATELLITE RECEIVER WITH INTEGRATED DVB-T2 HEVC 10BIT TERRESTRIAL RECEIVER

FRANSAT AND M7 WITH FAST SCAN FUNCTION

FULL HD

DVB S2

DVB T2 HEVC 10 Bit

DVB C

10-30 Vdc

- 10-30 V DC power supply
- DVD reader
- USB port with PVR Multimedia function to play video and audio content
- 31.5" FHD screen (80 cm diagonal)
- 5,000 satellite and 1000 terrestrial channels with LCN
- OSD in 8 languages
- Teletext
- Timer
- Parental Lock
- Audio power 2x10 W

CONNECTIONS

- 2 HDMI sockets
- 1 SCART socket
- 1 AV input for headphones
- 1 AV IN input (Mini)
- 1 YPBPR socket (Mini)
- 1 CI+ port
- 1 RL Audio Out socket
- 2 USB multimedia ports
- 1 power socket 10-30 V DC
- 1 ON-OFF switch

TECHNICAL SPECIFICATIONS

- 1 WGA resolution (1920x1080)
 - Viewing angle H178°, V178°
 - 1 Brightness 250 CD/m2
 - 1 Contrast 3000:1
 - 1 Response time 6 mS
 - DVB-S2 satellite
 - DVB-T2 H.265 10 Bit terrestrial
- Weight: 4.5 kg
 Dimensions without feet: 725 x 442 x 65 mm
 Vesa: 100x100mm without feet



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



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 WIFI.

Your TV transformed into a MEGA Smartphone with incorporated WIFI.

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.



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	TEK22 W9 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 9.0
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	YES
Cigarette lighter	YES	YES	YES
Power Cord & Adaptor	YES	YES	YES
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 38 x 240 mm	444 x 46 x 271 mm	502 x 49 x 297 mm



TEK24 W9 SMART

TEK32 W9 SMART

TEK40S SMART

21.5" TFT-LED
ELED
1920x1080
5ms
200cd/m2
3000:1
H:178°, V:178°
60Hz
16:9

31.5" TFT-LED
ELED
1920x1080
8ms
200cd/m2
1200:1
H:178°, V:178°
60Hz
16:9

39.5" FHD
ELED
1920x1080(1080p)
8ms
250cd/m2
1000:1
H:178°, V:178°
60Hz
16:9

YES
1000 pages
YES
V4.2
Android 9.0

YES
1000 pages
YES
V4.2
Android 9.0

YES
1000 pages
YES
V4.2
Android 7.0.1 OS

2*5W

2*10W

2*10W

x2
x1
x1
x1
x2 (CEC, ARC, MHL)
x2
x1
x1
x1

x2
x1
x1
x1
x2 (CEC, ARC, MHL)
x2
x1
x1
x1

x2
x1
x1
x1
x2 (CEC, ARC, MHL)
x4
x1
x1
x1

AC100V-240V
DC 9-32V
<35W
<0.5W

AC100V-240V
DC 10-32V
<50W
<0.5W

AC100V-240V
DC 11.30-30V
<85W
<0.5W

YES
YES

YES
YES

YES
YES

YES
YES
YES
YES

YES
YES
YES
YES

YES
YES
YES
YES

Black
YES
100x100mm

Black
YES
200x100mm

Black
YES
200x200mm

2,9
4,3
549 x 49 x 323 mm

5,1
7,3
725 x 442 x 65 mm

5,6
6,5
909 x 517 x 62 mm





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 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-Van 5400H	4 - 6 mt
Silent+ 5900H	5 - 6,5 mt
e-Van 7400H	5 - 7 mt
Silent+ 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:



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.



Silent Plus 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.





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 :

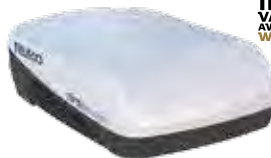
- It consumes very little, with 900W of consumption it provides up to 2.4 Kw of heat
- It removes moisture from the air, which benefits your health
- It is fast and switches from hot to cold automatically to maintain a constant pre-set temperature
- It works properly down to about 4°C



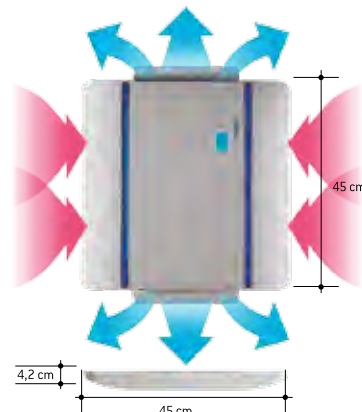
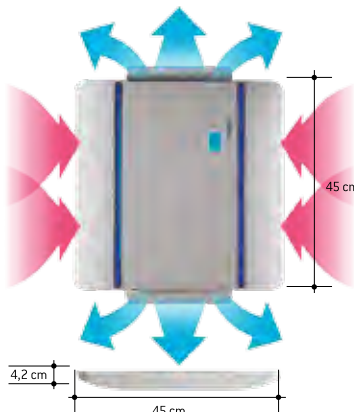


**GERMAN
INNO
VATION
AWARD '22
WINNER**

CLIMA e-Van 5400H



CLIMA e-Van 7400H



clima e-Van

clima e-Van

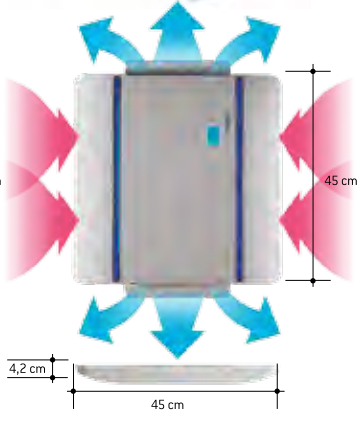
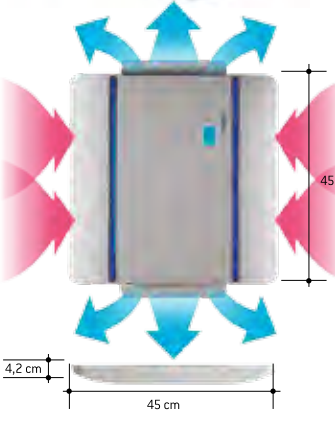
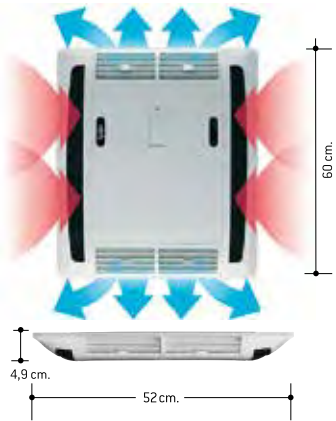
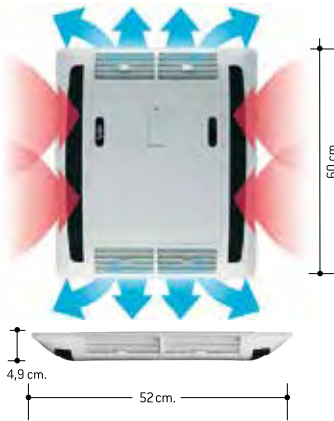
TECHNICAL SPECIFICATIONS	CLIMA e-Van 5400H	CLIMA e-Van 7400H
Cooling power	5.800 BTU 1700W	7.200 BTU 2100W
Heat pump heating power	5.500 BTU 1600 W	6.800 BTU 2000 W
Fan speed	3 + AUTO	3 + AUTO
Power supply	230 V 50 Hz	230 V 50 Hz
Average absorbed current	2,9 A 2,8 A	4,1 A 4,0 A
Starting current	15 A (100 msec.)	19 A (150 msec.)
Absorbed power	660 W 640 W	950 W 920 W
Required generator	2200 W	2200 W
Max air flow	300 m ³ /h	300 m ³ /h
Weight	30 Kg.	31 Kg.
Dimensions	23,2x71x61,9 cm ▲ → ▼	23,2x71x61,9 cm ▲ → ▼
Air diffuser height	4,2x45x45 cm. ▲ → ▼	4,2x45x45 cm. ▲ → ▼
Remote Control	Timer	Timer
Suitable for vehicles	4 - 6 mt	5 - 7 mt

DUALCLIMA 12500H

DUALCLIMA 8400H

SILENT PLUS 8100H

SILENT PLUS 5900H



DualClima

DualClima

Silent+

Silent+

clima e-Van

THE SMALLEST ROOF-MOUNTED AIR
CONDITIONER ON THE MARKET

Just 71cm long and 23 cm high



LED TORCH



TIMER



GAS R32



230 volt

clima e-Van 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.

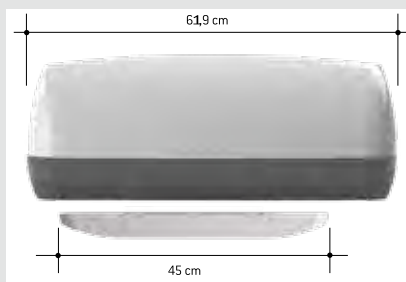
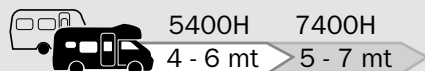
Featuring cutting-edge technology, its design exploits all the latest resources to offer an Ecologically Clean product.

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 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.



5400H



1700 W (5.800 BTU)



1600 W (5.500 BTU)



TIMER

7400H



2100 W (7.200 BTU)



2000 W (6.800 BTU)



TIMER



Technical specifications	CLIMA e-Van 5400H	CLIMA e-Van 7400H
Cooling power	5.800 BTU / 1700 W	7.200 BTU / 2100 W
Heating power	5.500 BTU / 1600 W	6.800 BTU / 2000 W
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 🔥
Required generator	2200 W	2200 W
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. ↑ → ↘

Extra-flat diffuser with sloping profile on all 2 sides. Adjustable front and rear air outlets.

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



DualClima

12500H / 8400H



LED TORCH



TIMER



GAS R32

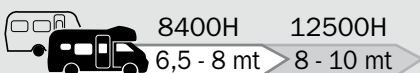


230 volt

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

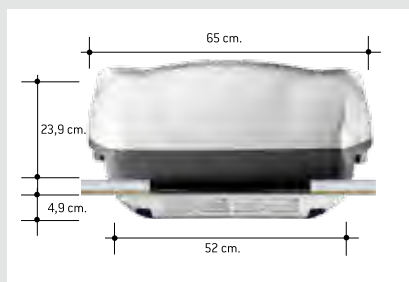


8400H GAS R32

- ❄️ 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





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 🔥
Required generator	2200 W	2200 W
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 ↑ → ↘

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



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



Silent⁺



LED TORCH



TIMER



GAS R32



230 volt

Silent Plus 8100H / 5900H

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 SilentPlus 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.

5900H



1730 W (5.900 BTU)



1640 W (5.600 BTU)



TIMER

8100H



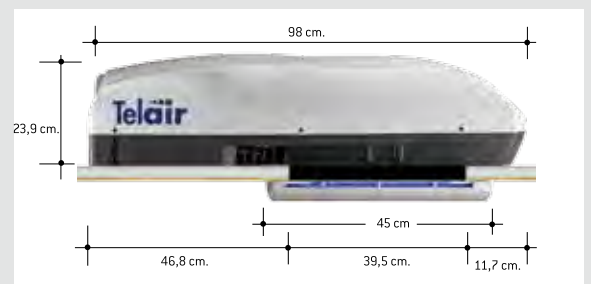
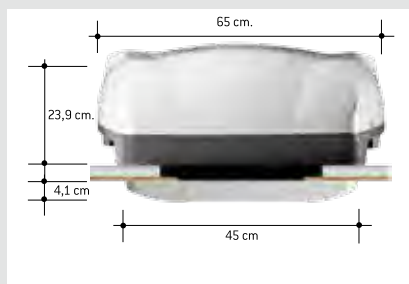
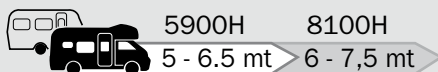
2370 W (8.100 BTU)



2300 W (8.000 BTU)



TIMER





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



Technical specifications	Silent Plus 5900H	Silent Plus 8100H
Cooling power	5.900 BTU / 1730 W	8.100 BTU / 2370 W
Heating power	5.600 BTU / 1640 W	8.000 BTU / 2300 W
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 🔥
Required generator	2200 W	2200 W
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. ↑ → ↙

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



Accessories for Air Conditioners



Air conditioner adapter for van roof



15 mm foam for mod. e-Van



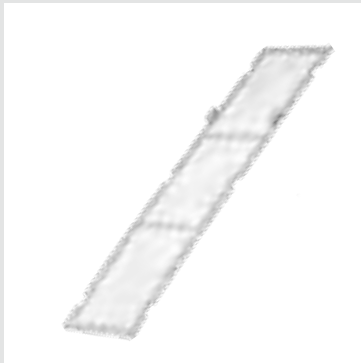
25mm foam for mod. e-Van



20 mm foam for mod. DualClima



Silent Plus / e-Van remote control



Air filters for Silent Plus / e-Van models



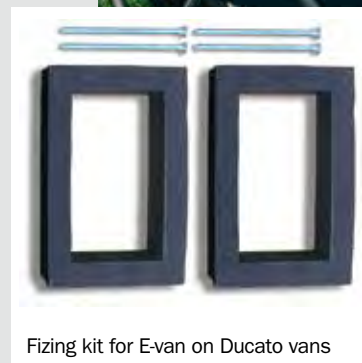
Air filters for DualClima models



CPS
Protective Cover for Silent/Dualclima
Air Conditioners



Protective cover for e-Van air
conditioners



Fizing kit for E-van on Ducato vans





BLACK SOLAR PANELS

Mono-Crystalline



TBS 110WS Rigid



TBS 170WS Rigid



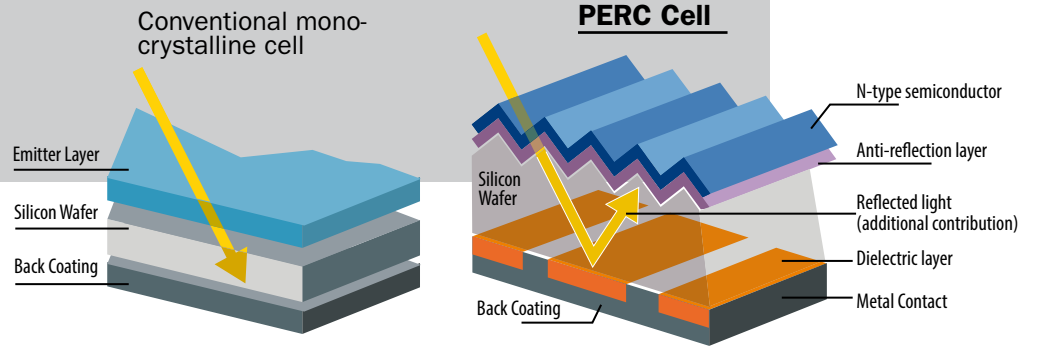
TBS 185WS Rigid

TSPF 110W
Semi-flexible



PERC Cells

(Passivated Emitter and Rear Cell), which exploit light reflection and improve conversion efficiency thanks to a dielectric layer on the rear side.



Black Mono-Crystalline Solar Panels

Specifications	TBS 110WS	TBS 170WS	TBS 185WS
Rated power (Pmax):	110 W	170 W	185 W
Rated voltage Pmax (Vmp):	18.15 V	19.25 V	20.9 V
Rated current Pmax (Imp):	6.06 A	8.83 A	8.85 A
Open circuit voltage (Voc):	21.45 V	22.75 V	24.7 V
Closed circuit current (Isc):	6.42 A	9.36 A	9.38 A
Module efficiency (η_m):	20.54 %	20.62 %	20.68 %
Working temperature:	-40°C ~ + 80°C	-40°C ~ + 80°C	-40°C ~ + 80°C
Cable (length/cross-section):	900 mm/2.5 mm ²	900 mm/2.5 mm ²	900 mm/2.5 mm ²
Module size (LxWxH) (without feet):	1160x450x30 mm	1230x670x30 mm	1230x705x30 mm
Weight (without feet):	6.3 kg	9.0 kg	10.0 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



Mono-Crystalline Solar Panels



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



DC+ USB+ QC 3.0 + Type C interface



BLACK COOLFLEX SOLAR PANELS

Mono-Crystalline



- 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



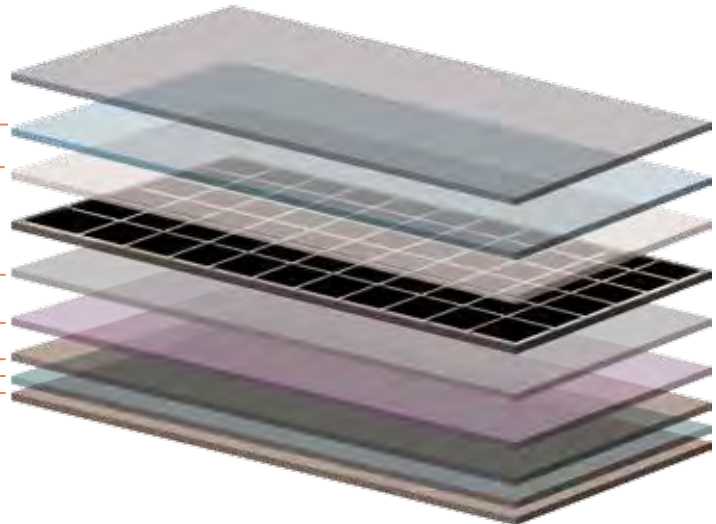
TBCF 150WS



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 (Pmax):	100 W	135 W	150 W
Rated voltage Pmax (Vmp):	19.8 V	19.8 V	19.8 V
Rated current Pmax (Imp):	5.05 A	6.82 A	7.58 A
Open circuit voltage (Voc):	23.3 V	23.3 V	23.3 V
Closed circuit current (Isc):	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

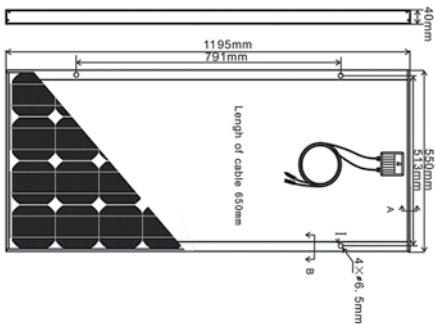


SOLAR PANELS

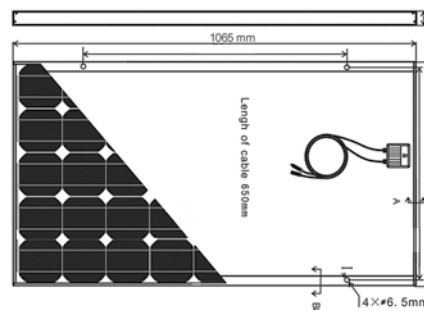
Mono-Crystalline



TSP 100W Rigid

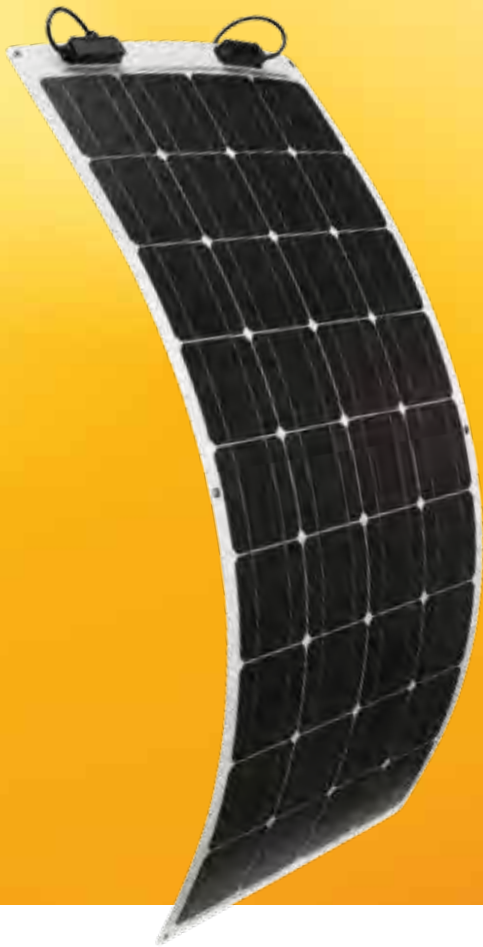


TSP 130W Rigid

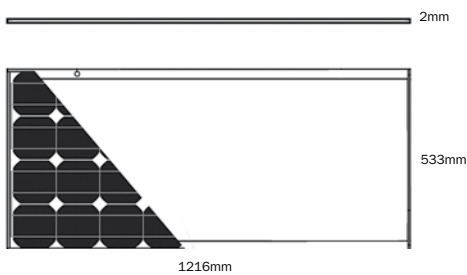


Specifications	TSP 100W	TSP 130W	TSPF 110W
Rated power (Pmax):	100 W	130 W	110 W
Rated voltage Pmax (Vmp):	18.5 V	19.4 V	19.0 V
Rated current Pmax (Imp):	5.41 A	6.71 A	5.79 A
Open circuit voltage (Voc):	22.7 V	23.4 V	23.5 V
Closed circuit current (Isc):	5.75 A	7.12 A	5.97 A
Module efficiency (η m):	15.2 %	16 %	16.9 %
Working temperature:	-40°C ~ + 85°C	-40°C ~ + 85°C	-40°C ~ + 85°C
Lead (length/cross-section):	650 mm / 4 mm ²	650 mm / 4 mm ²	200(+), 500(-)mm/4mm ²
Module size (LxWxH) (without feet):	1195x550x40 mm	1065x670x35 mm	1216x533x2 mm
Weight (without feet):	7.75 Kg	7.8 Kg	1,8 kg

Accessories



TSPF 110W
Semi flexible



- 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



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



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



SPC10/2

PWM 10A /12 – 24 Volt dual independent battery charge controller with selectable charge percentage and temperature compensator. Protected against: overloads, short circuits, reverse polarity. Suitable for lead batteries with Liquid, Gel or AGM technology.



SPCA/TSP
Aluminium cable guide



SPC10/1
10 A /12 Volt single battery charge controller



TSP64
Narrow plastic cable guide



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

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)
 NEW	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)
	ENERGY 4010D DIESEL - 230 Vac	HATZ 1B30V	Sinchron 2 poles	3,2 kW - 230V 5,0A / 12Vdc	50 Hz 5%	Electric	66 dBA (7m)
	ECOENERGY GAS 12 Vdc	TELAIR	-	25A / 12Vdc		Electric	51 dBA (7m)
	ECOENERGY GAS CATALYTIC 12 Vdc	TELAIR	-	25A / 12Vdc		Electric	51 dBA (7m)
	ENERGY 8012 GAS 12 Vdc	Yamaha MZ175 GAS	-	70A / 13,5Vdc		Electric	56 dBA (7m)

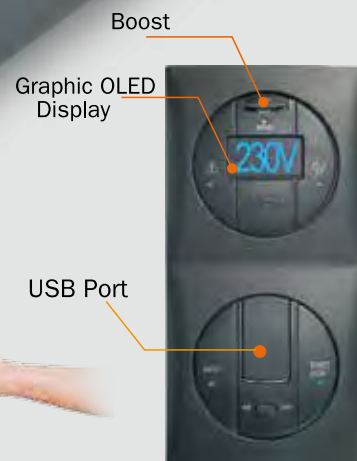
Max fuel consumption	Dimensions	Weight	Control panel with 5 m cable	Floor or chassis mounting	Teleco HUB CI-BUS	OPTION
0,47 kg /KW/h Petrol	34x65,5x46,5cm ▲ ► ▼	79 kg				 Teleco App
0,39 kg /KW/h Gas	34x65,5x46,5cm ▲ ► ▼	80 kg				 Teleco App
0,39 Kg /KW/h Petrol	27,5x51,5x39cm ▲ ► ▼	52 kg				 Teleco App
0,4 Kg /KW/h Gas	27,5x51,5x39cm ▲ ► ▼	53 kg				 Teleco App
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				ASP  Automatic Starter
1,3 Lt/h Diesel	39x69x41cm ▲ ► ▼	110 kg				ASP  Automatic Starter
0,27 Kg/h Gas	56,5x38x25cm ▲ ► ▼	19 Kg				
0,27 Kg/h Gas	56,5x38x25cm ▲ ► ▼	19,5 Kg				
0,8 Kg/h Gas	29,5x55,5x38,5cm ▲ ► ▼	52 kg	 ASP			

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.

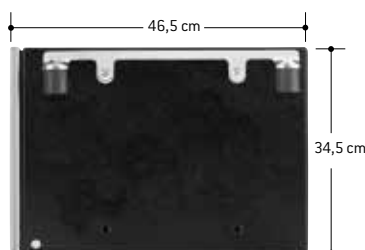
The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values.

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



 230 Vac

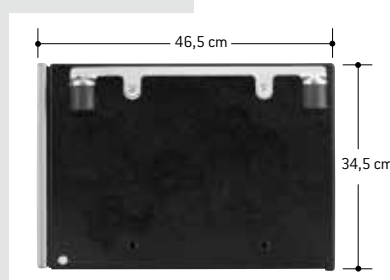


- Stainless steel hatch
- Removable interior
- 2 attachment systems
- Variable speed adjuster

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.

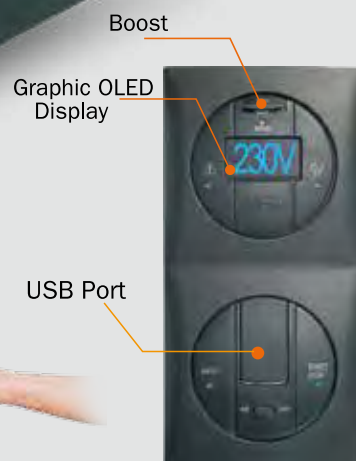


TIG 3100 B Inverter Petrol Generator



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.

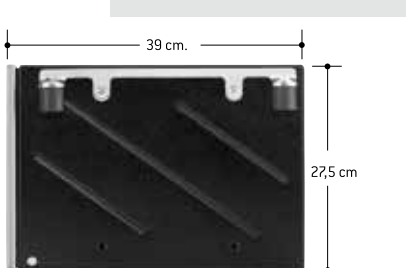
The modernly designed remote control panel with display provides the user with full information on generator operation: oil level checks, working temperature and power consumption with automatic engine cut-off if values do not correspond with standard values.

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.



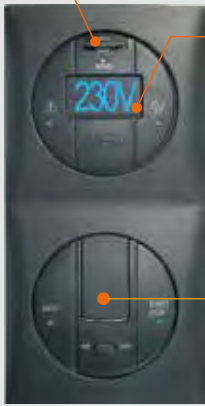
Technical specifications	TIG 3100 B
Engine	YAMAHA MZ 175
Rotation speed	2700 - 3900 rpm
Max. power output	2,7 KW - 230V 10 A /13,3Vdc
Distortion Frequency	50 Hz 1%
Start-up	Electric
Noise level	52-60 dBA (7m)
Max fuel consumption	0,39 kg/KW/h
Dimensions	27,5x51,5x39 cm ▲ ▶ ▼
Weight	52 kg.



TIG 3100 G Inverter Gas Generator



Boost



Graphic OLED Display

USB Port



230 Vac

- 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.

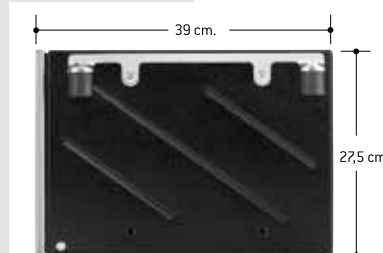


The TIG 3100 G is a new-generation 230 V AC inverter generator powered by a GAS engine (LPG).

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

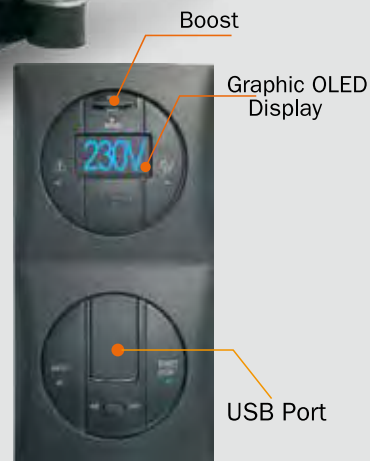
- Stainless steel hatch
- Removable interior
- 2 attachment systems
- Variable speed adjuster

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

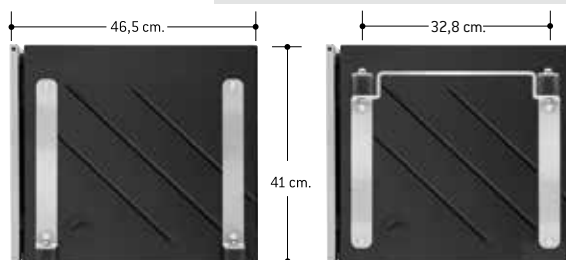
The rotation speed is commanded by a newly developed electronic variable speed system which functions at an extremely low noise level and greatly reduces average diesel consumption. Inverter technology provides a very stable flow of power by pure sine wave.

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 4010D Diesel Generator



 230 Vac

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

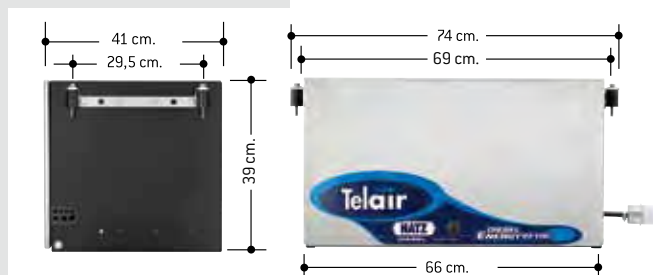
Technical specifications	Energy 4010 D
Engine	HATZ 1B30V
Rotation speed	Syncron
Max. power output	3,0 KW - 230V 5,0 A /12Vdc
Distortion Frequency	50 Hz 1%
Start-up	Electric
Noise level	66 dBA (7m)
Max fuel consumption	1,3 Lt/h
Dimensions	30x69x41 cm ▲ ▶ ▼
Weight	110 kg.

GENERATOR with DIESEL engine for extra-low consumption. Can be installed by directly connecting it to the DIESEL vehicle fuel tank, thus making any auxiliary tank unnecessary. Placed in a double sound-proofed metal casing, equipped with a fully automatic electronic starter system with remote control panel and a 5 metre long cable, including: total and partial hour counter plus overheating, oil and fuel level indicator warning lights.



Option
ASP
Automatic Starter
Control Panel

ENERGY 4010D



Energy 8012

Gas Generator



12V 12 Vdc

- Automatic 12 Volt
- 70 Amp
- 2 attachment systems

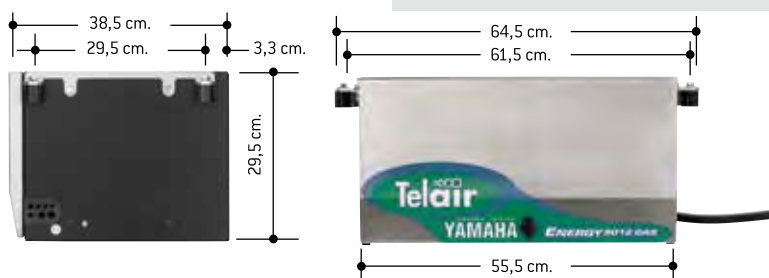
Generator runs on LPG liquid gas and can deliver up to 70 Amps at approximately 13.5 Volts. It can be used as a power supply for a 12 V DC air conditioner, or as a battery charger with an automatic power-on system (when the battery is flat) and power-off system (when the battery is fully recharged). Great care has been taken to ensure a very low noise level by incorporating special sound insulation systems.



ASP
Automatic Starter
Control Panel

Technical specifications	Energy 8012 GAS
Engine	YAMAHA MZ 175 GAS
Max. power output	70A - 13,5 Vdc
Start-up	Electric
Noise level	56 dBA (7m)
Max fuel consumption	0,8 kg/h
Dimensions	29,5x55,5x38,5 cm ▲ ▶ ▼
Weight	52 kg.

ENERGY 8012 GAS





Energy 2510 G Gas Generator



230 Vac

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



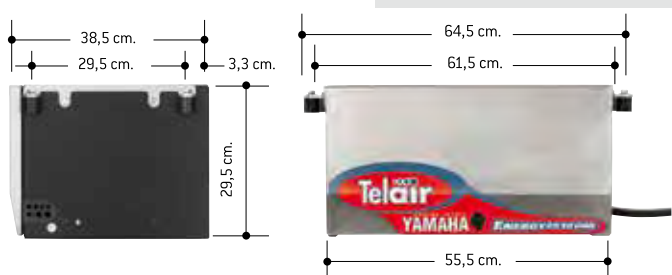
Option ASP
Automatic Starter Control Panel

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 GAS
Engine	YAMAHA MZ 175 GAS
2-pole alternator	Syncron
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



Option ASP
Automatic Starter Control Panel



 230 Vac

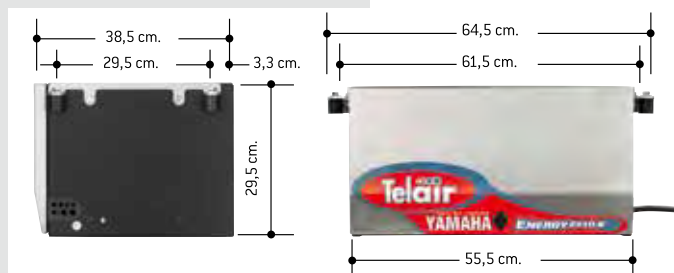
- Remote control panel
- Stainless steel hatch
- Removable interior
- 2 attachment systems

Technical specifications	Energy 2510 B
Engine	YAMAHA MZ 175
2-pole alternator	Syncon
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 (LiFePO4) batteries.
Catalytic converter version now available for enhanced environmental friendliness



NEW CATALYTIC

19kg



12V

TG 480 • TG 480 MEF • TG 600 MEF
 TG 480 CAT • TG 480 CAT MEF • TG 600 CAT MEF

12 Vdc - 480/600 A*
 *480 / 600 A - Daily production



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

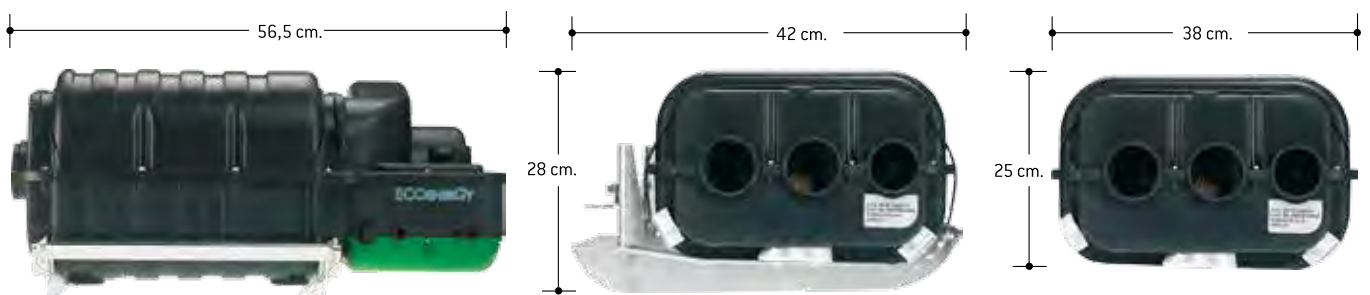
ECOENERGY CONTROL PANEL

- 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.

	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	ECOENERGY TG 480 CAT	ECOENERGY TG 480 MEF CAT	ECOENERGY TG 600 MEF CAT
Automatic operation	Start 11,9V Stop 14,5 V	Start 11,9V Stop 14,5 V	Start 11,9V Stop 14,5 V	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	+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)	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	30 mBar ± 2	30 mBar ± 2	30 mBar ± 2
Gas Consumption/Hour	270 g/h	270 g/h	290 g/h	270 g/h	270 g/h	290 g/h
Lube oil consumption	1 Lt / 115 h	1 Lt / 115 h	1 Lt / 115 h	1 Lt / 115 h	1 Lt / 115 h	1 Lt / 115 h
LpA 7 m noise level	51 dBA	51 dBA	52 dBA	51 dBA	51 dBA	52 dBA
Weight	19 Kg	19 Kg	19 Kg	19,5 Kg	19,5 Kg	19,5 Kg
Dimensions without brackets	565x380x250 mm	565x380x250 mm	565x380x250 mm	565x380x250 mm	565x380x250 mm	565x380x250 mm
Recommended batteries	160 ÷ 300 Ah	160 ÷ 300 Ah	160 ÷ 300 Ah	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	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



SWG
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



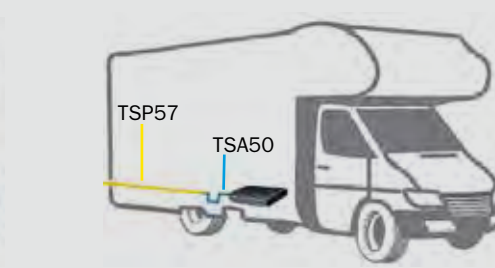
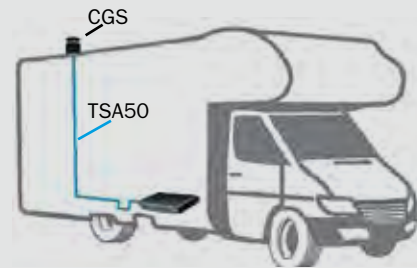
TSA50
Metal exhaust pipe, Ø 50. Standard length: 1 m dish



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.



TGF88
Gas hose (0.4 m) with olive connectors 8 mm.

Other accessories



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



KH
Hour counter kit.

EXTRAPRO

lithium batteries

Teleco Lithium Ion batteries (LiFePO4)

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 (LiFePO4 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 Extra Pro series

TLI Extra Pro (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 Extra Pro batteries incorporate a sophisticated Battery Management System (BMS) that controls the voltage of each cell during both during charging/dischARGE, 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



*In-App low
battery alert*





NEW



Compatible with CIBUS systems



TCP – OLED control panel with charge indicator and input/output control from storage mode. OPTIONAL

TECHNICAL SPECIFICATIONS

Model	TLI EXTRA Pro 12/104 DIN	TLI EXTRA Pro 12/156 DIN	TLI EXTRA Pro 12/200
Rated voltage	12,8V	12,8V	12,8V
Maximum capacity	104 Ah	156 Ah	200 Ah
Minimum capacity	100 Ah	150 Ah	200 Ah
Energy	1280 Wh	1920 Wh	2560 Wh
Recommended discharge current @ 25°C	20 Amp	30 Amp	40 Amp
Max continuous discharge current @ 25°C	100 Amp	150 Amp	200 Amp
Recommended charging current @ 25°C	20 Amp	30 Amp	40 Amp
Max charging current @ 25°C	100 Amp	150 Amp	200 Amp
Duration	2000 cycles @ 80% DOD @25°C with 80% residual energy		
Service life	5/7 years	5/7years	5/7 years
Charging voltage	14.6 V	14.6 V	14.6 V
Weight	10,5 Kg	14,5 Kg	23,3 Kg
Dimensions [mm]	355 x 175 x H190 DIN	398 x 175 x H190 DIN	521 x 238 x H218
Terminal	SAE automotive	SAE automotive	M8
Temperature, during charging	0 °C / +45 °C	0 °C / +45 °C	0 °C / +55 °C
Temperature, during discharging	-20 °C / +60 °C	-20 °C / +60 °C	-20 °C / +60 °C
Temperature, during prolonged storage	-10 °C / +50 °C	-10 °C / +50 °C	0 °C / +45 °C
Certifications	IEC62133-2, EN55014-1, EN55014-2, UN38.3, RoHs, CE Conformity		

TCP – OLED control panel (opzional)

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)

Teleco Lithium Ion batteries (LiFePO4)



TLI Extra Series

TLI Extra 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 Extra batteries have a highly reliable internal Battery Management System (BMS). The BMS ensures battery safety and efficiency by monitoring the temperature of the electronics and the cells and controlling the voltage of each cell to optimise balance.

Guaranteed quality:

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

*The BMS system features greatly reduced consumption and is therefore ideal where batteries are installed on vehicles that remain idle for some time.

It's possible to connect up to 4 batteries (with the same capacity) in series or in parallel. The BMS system also allows for smart management in both the charge and discharge phases. In the event of an overvoltage (overcharge) the battery automatically disconnects from the charger but remains connected to the load to be powered. When the overload event is over the battery is reconnected to the charger.

In the event of an undervoltage (excessive discharge) the battery automatically disconnects from the load but remains connected to the charger. When the undervoltage event is over the battery automatically starts powering the load again.

TECHNICAL SPECIFICATIONS	TLI Extra 12/100	TLI Extra 12/160	TLI Extra 12/200
Rated voltage	12,8V	12,8V	12,8V
Capacity	100 Ah	160 Ah	200 Ah
Energy	1280 Wh	2048 Wh	2560 Wh
Recommended discharge current @ 25°C	20 Amp	32 Amp	40 Amp
Max continuous discharge current @ 25°C	100 Amp	100 Amp	200 Amp
Corrente di carica consigliata @ 25°C	20 Amp	32 Amp	40 Amp
Max charging current @ 25°C	100 Amp	100 Amp	200 Amp
Duration	2000 cycles @ 80% DOD @25°C with residual energy 60% (charge-discharge 1C)		
Service life	5/7 years	5/7 years	5/7 years
Charging voltage	14.6 V	14.6 V	14.6 V
Weight	11 Kg	20,5 Kg	23,3 Kg
Dimensions [mm]	305 x 169 x H210	485 x 170 x H241	521 x 238 x H218
Terminal	M8	M8	M8
Temperature, during charging	0 °C / +45 °C	0 °C / +45 °C	0 °C / +55 °C
Temperature, during discharging	-20 °C / +60 °C	-20 °C / +60 °C	-20 °C / +60 °C
Temperature, during prolonged storage	-10 °C / +50 °C	-10 °C / +50 °C	0 °C / +45 °C
Certifications	IEC62133-2, EN55014-1, EN55014-2, UN38.3, RoHs, CE Conformity		

TBCM PRO 45/30/350 Multicharger



3-source Automatic Battery Charger

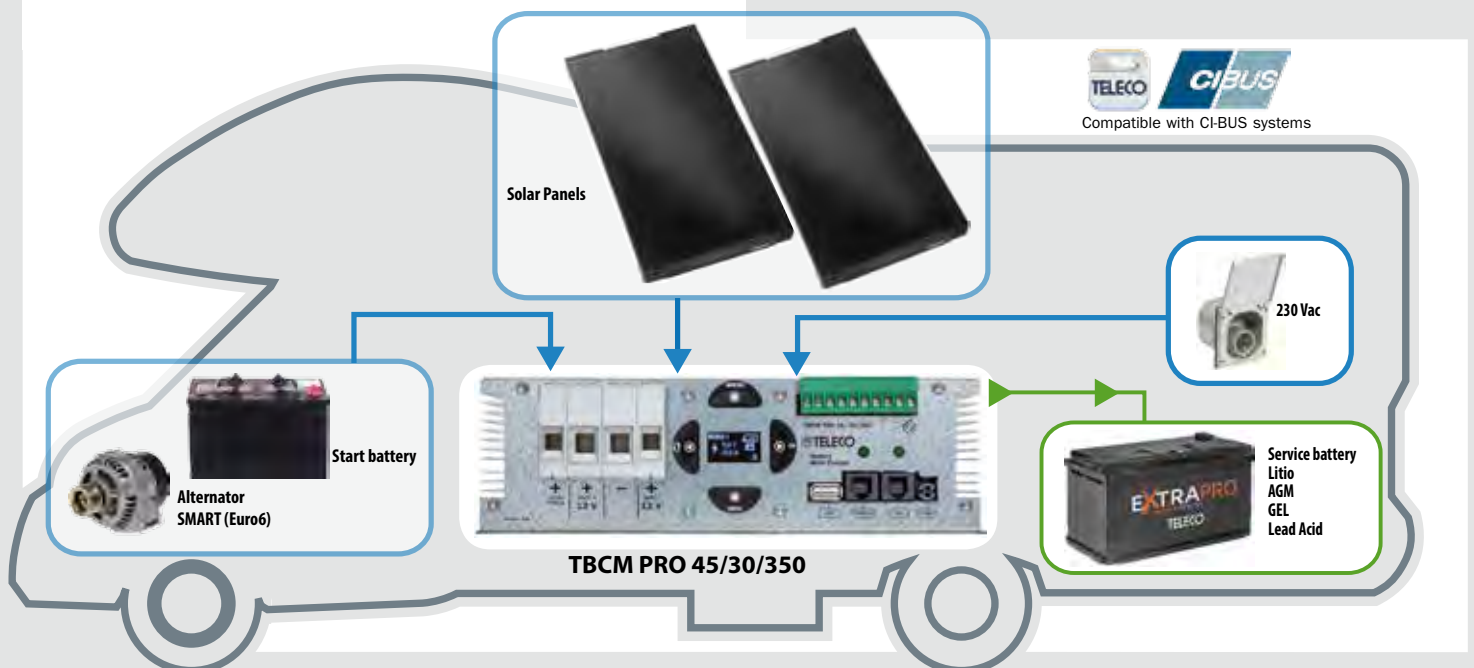
- Motor Alternator: 45 A
- Mains or Generator: 30 A
- Solar Panel: 350 W

The Multicharger is an automatic, highly flexible device equipped with a professional, reliable, powerful DC / DC converter (45 A). Extremely compact, it can easily be installed inside the vehicle. This technical solution allows, first of all, users to charge batteries up to a maximum capacity of 420 Ah and make the most of all available energy sources:

- 1) with the vehicle on the move it's also possible to charge the service battery on Euro 6 vehicles equipped with latest-generation alternators
- 2) it's also possible to use 12 Volt solar panel energy (stabilized with an MPPT controller) up to a maximum of 350 W
- 3) It can be connected to a 230 V AC power socket (or a 230 V AC alternating current generator), charging the service battery of the camper with a current as high as 30 Ah; simultaneously, it can supply an auxiliary current of 5 Ah (max.) to the starter battery.

Operation from mains AC	
Rated Voltage (AC)	110 V - 230 V / 45 - 65 Hz
Service / starter battery charge current	30 A / 5 A
12 V/12 V charge converter	
Service battery max. charge current	45 A
MPPT solar regulator	
Solar module power (Pmax)	50 - 350 Wp
Solar module max. voltage (Voc).	36 V
Starter / Service battery charge max. current	25.5 / 5.0 A
Starter battery	
Rated voltage / Min. recommended capacity	12 V / >80 Ah
Service battery	
Lead-acid / LiFePO4 rated voltage	12 V / 12.0 - 13.3 V
Battery capacity (settable)	68 - 420 Ah
Characteristics	
N. of charge programmes for Lead-Acid / Gel / AGM battery	4
N. of charge programmes for LiFePO4 battery	5
Operating Temperature	-20 to + 50 °C
Dimensions (LxDxH) - incl. assembly flange, without connections	220 x 65 x 220 mm
Weight	2850 g

Supplied: 230 V AC mains cable, 825 temperature sensor, manual



TBOOSTER PRO 1245

NEW



12V-16V Input



Start battery

Alternator SMART (Euro6)

6A Bridge

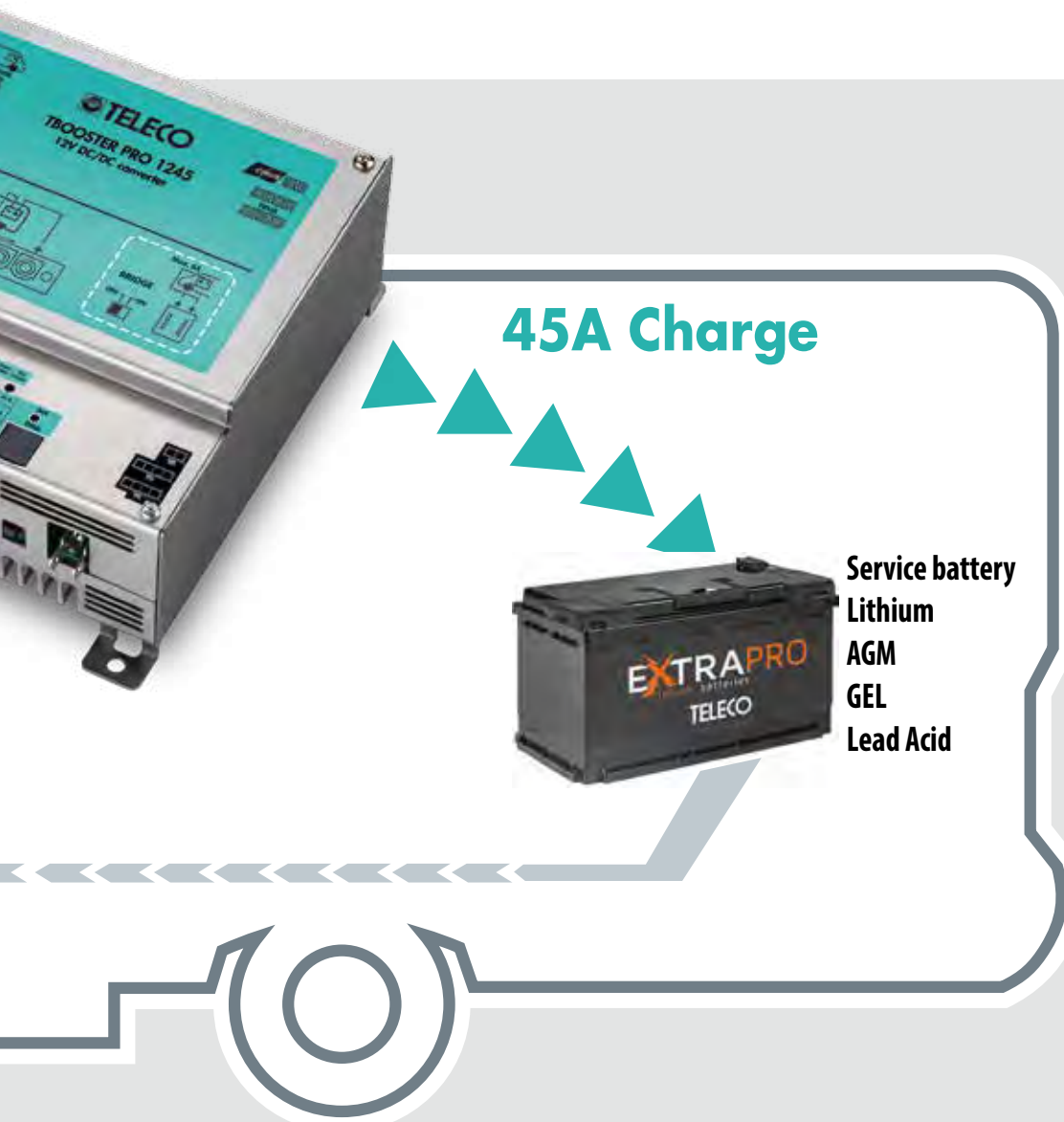
The TBooster PRO 1245 is an ideal DC/DC converter for optimal charging of 12V service batteries while driving. Thanks to its step up/down technology, this device compensates the alternator voltage, making it suitable for each battery charging phase.

A must in EURO6 vehicles, where the energy-saving strategy makes the alternator voltage variable depending on the state of driving, it is also suitable for conventional alternators, as it ensures a full and more efficient charge, especially in systems with particularly long wiring.

- Step up/down converter to adapt the alternator voltage
- Charging curve for lead acid, gel, AGM and **lithium batteries**
- Temperature compensation (if temperature sensor is connected)
- Starter battery voltage control
- Inhibits discharge of the service battery towards the starter battery
- Compact and lightweight design
- High efficiency, over 90%
- Bridge function (with manual selector switch) for charging the starter battery in emergency conditions

TECHNICAL SPECIFICATIONS

Rated voltage	12 V
Max. Input voltage	16 V
Max. Input current	65 A
Max. charging current	70 A
Charging curves for:	lead acid, gel, AGM and lithium batteries
Dimensions (W x H x D)	160 x 160 x 70 mm
Max. Reverse current	0.1mA
Protections:	Output overcurrent (fuse+electronics), overvoltage
Efficiency	>=93%.



Battery charger TBC3i PRO 30/20/250



Innovative TBC3i battery chargers offer outstanding construction quality and have a particularly light, compact design that helps save valuable space inside the camper.

Wiring and connections have been minimised to make installation fast and simple.

TBC3i battery chargers consist of a combination of latest-generation units; these include a mains battery charger, a charge converter from the alternator and a charge regulator with MPPT technology for solar panels, ensuring there is always an energy source in the camper.

Batteries are always charged automatically, both during the standby or when driving.

Depending on the model, the integrated charge converter always ensures a complete recharge during both short and, of course, long trips.

All of them have an integrated system to maintain battery charge even during long periods of storage and have eight different charge curves for lead-acid, AGM, GEL and LiFePO4 batteries.

Their LCD displays have been specially developed for these units and show all the key information.

These battery chargers are compatible with all car park charging units

TBC3i PRO 30/20/250

Operation from mains AC	
Rated voltage (AC)	110 V - 230 V / 45 - 65 Hz
Operating range (AC)	90 V - 270 V (max. 305 V, for 5 sec)
Max. absorbed current (AC)	360 W
Service / Start battery charge current	20 A / 4 A
AC Power Limit function	Yes
Charge Converter 12 V/12 Voltage Max	
Service Battery Charger current	30 A
Automatic D+ activation	Yes
Start battery/Alternator Voltage (Euro 6) / Max. current.	10.5 - 16.5 V / 42 A
Max. current II limit (settable)	25 A
MPPT Solar Regulator	
Solar Module Power (Pmax)	50 - 250 Wp
Solar Module max. current	15 A
Solar Module max. voltage	36 V
Start / Service max. battery charger current	18.0 / 4.0 A
AES cooling terminal	Yes
Starter Battery	
Rated Voltage / Min. recommended capacity	12 V / >60 Ah
Service Battery, IU1oU2oU3	
Lead-acid / LiFePO4 voltage	12 V / 12.0 - 13.3 V
Battery capacity (settable)	45 - 280 Ah
Specifications	
N. of charge programmes for Lead-Acid / Gel / AGM battery	4
N. of charge programmes for LiFePO4 battery	4
Start / Service battery voltage sensors	Yes
Temperature compensation (Lead-Acid) / Protection (LiFePO4)	Yes
Automatic regeneration (Lead-Acid / Auto Wake Up (LiFePO4)	Yes
Battery Trainer (Pulser) for Lead-Acid Service Battery, can be activated	Yes
LiFePO4 control input - BMS for charge stop	Yes
Assembly position	All
Operating Temperature	-20 to +45 °C
Variable-speed fan, temperature-controlled	Yes
Gradual charge reduction for Overheating	Yes
Safety Disconnect in the event of Overheating	Yes
Waterproof rating	IP 21
Environmental conditions	Max 95% RH, No Condensation
Dimensions (LxDxH) - incl. assembly flange, without connections	217 x 250 x 85 mm
Weight	2700 g

Supplied: 230 V AC mains cable, 825 temperature sensor, Manual

TBC PRO series battery charger



TBC PRO battery chargers are high performance devices that run on AC mains power supplies (universal range 100 - 240 V AC, 50 - 60 Hz); they have been designed and manufactured to charge TELECO lithium batteries. They have been designed with special functions to charge LiFePO4 cells. Moreover, they are compatible for use with lead-acid batteries.

Their 500 W power rating shortens charge times considerably.

The battery chargers have a display showing key parameters such as instantaneous voltage, instantaneous current, percentage charge and residual capacity.

Two models are available, one for 12 V batteries and one for 24 V batteries.

These battery chargers are compatible with all car park charging units

Model	TBC PRO 1230	TBC PRO 2417
Rated voltage	14.6 V +/- 0.1 V	29.2 V +/- 0.1 V
Rated current	30 A	17 A
Pre-charge 1 (@2.5 V/Cell)	7.5 A	4.25 A
Pre-charge 2 (@2.9 V/Cell)	15 A	8.5 A
Charge 3 (<30% Rated Current)	8 A	5 A
Power	500 W	
Efficiency	>85 % full charge	
Rated input voltage	100 - 240 V	
Frequency	47 - 63 Hz	
Polarity inversion	Protection with automatic shutdown	
Short Circuit	Protection with automatic shutdown	
Overload	Protection with current limit	
Dimensions (LxDxH)	152x275x70 mm	
Weight	2400 g	

Supplied: 230 V AC mains cable, red/black cables with crocodile clips for attachment to battery



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 1000 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 1000 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	P e
Rated Output Voltage	230 V / 50 Hz
Continuous output power	1000 W
Peak output power	2000 W
Short circuit / overload protection	Yes
Dimensions (LxDxH)	350x150x70 mm
Weight	3700 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



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	Yesi
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
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 Optional

NEW



TBSP 90WS

**DC+ USB+ QC 3.0
+ Type C interface**

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





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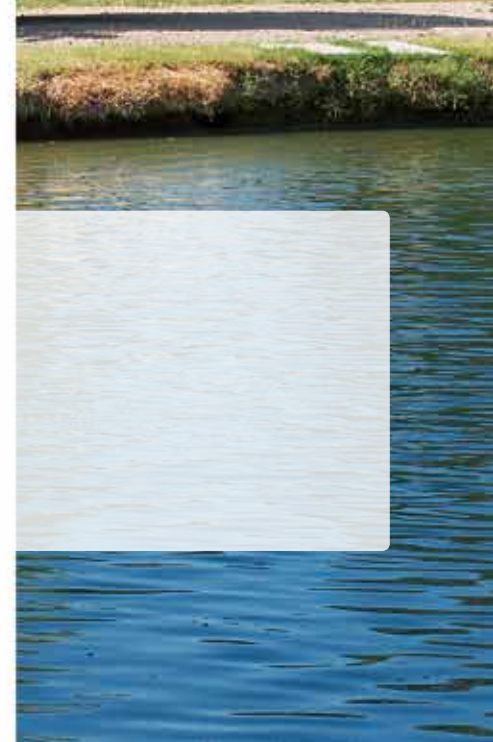
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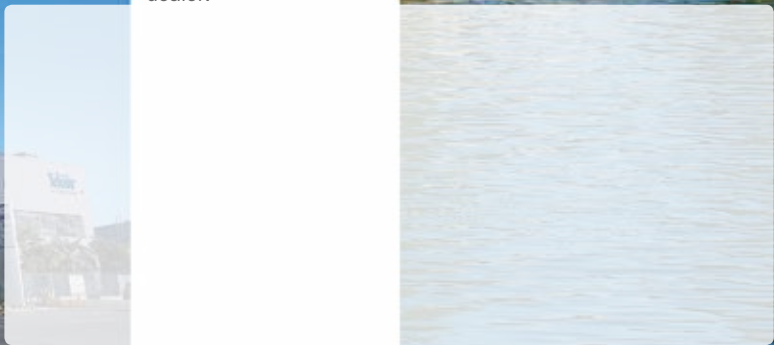


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