

Max-e is the new concept battery charger for RV vehicles of every kind. The quiet alternative to traditional internal combustion Gen-Sets.

MAX-e



Max-e can interface with any kind of battery and EBL already installed in campers and motor homes.

The unit detects the voltage of the battery and recharges it automatically when necessary.

Max-E is based on cutting edge PEM fuel cells technology and takes advantage of the latest chemical fuel development, which provides a hydrogen-rich, non pollutant liquid containing large amounts of hydrogen that Max-E easily converts on demand into gaseous hydrogen.

Hydrogen is then used by the internal fuel cells to produce electrical power.

Max-e 2600

Fuel Cell type		PEM
Fuel		Hydro-nite
Water		Standard tap water
Application	Battery charger	Camper, Caravan, Roulotte, Motor home
User Interface		Wireless touch screen display, 3,5"
Battery Maximum Charge capacity (+/- 5%)	Wh/day	2600
Maximum power	W	115
Rated Power	W	108
Maximum water consumption (continuous operation)	l/h	<1,4
Maximum fuel consumption (+/- 5%)	l/h	0,23
ON voltage threshold	V	12,1 - 12,6 (*)
OFF voltage threshold	V	14,4 - 15,0 (*)
ECO Mode power	W	60
Minimum time to maintenance	h	300
Weight	Kg	15
Dimension	cm	57x 22 x 32

Max-e 3200

Fuel Cell type		PEM
Fuel		Hydro-nite
Water		Standard tap water
Application	Battery charger	Camper, Caravan, Roulotte, Motor home
User Interface		Wireless touch screen display, 3,5"
Battery Maximum Charge capacity (+/- 5%)	Wh/day	3200
Maximum power	W	140
Rated Power	W	134
Maximum water consumption (continuous operation)	l/h	<1,6
Maximum fuel consumption (+/- 5%)	l/h	0,27
ON voltage threshold	V	12,1 - 12,6 (*)
OFF voltage threshold	V	14,4 - 15,0 (*)
ECO Mode power	W	60
Minimum time to maintenance	h	300
Weight	Kg	15
Dimension	cm	57x 22 x 32

(*) programmable according to battery type



Images shown are indicative only. Color or model may differ from the picture shown. Manufacturer reserves the right to change specifications of the unit at any time without notice.



Empowering your freedom



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Max-e

Max-e is equipped with a sophisticated electronic circuit that matches the electrical output of the fuel cell to the specific charging need of the battery. The microprocessor based battery charger can be programmed through the remote touch screen display to adapt the charging algorithm to the specific battery type installed in the RV. This particular solution increases the battery life time and minimizes the battery charging time.

Max-e starts automatically the battery charging process according to the battery type and the electrical consumption of the RV, which may be very different from case to case depending on the electrical appliances installed. The charging algorithms used by Max-e are endorsed by the majority of battery manufacturers.

In case that the energy consumption of the RV is low, during certain periods, then Max-e can be preset to operate in "ECO MODE". This special function will charge the battery at a lower rate and optimize the fuel consumption.



Max-e is equipped with a color detachable touch screen remote control panel with intuitive user interface.

This unique feature of having a detachable remote control panel allows the installation of Max-e process unit in the most suitable location on board of the RV while keeping the control unit in the living part.

The wireless display is constantly communicating with the main unit and has a coverage span of more than 10 meters.

The main screen shows instant values of all parameters of the unit and allows the operator to see and eventually change settings like:

- FULL MODE/ECO MODE
- Quantity of fuel remaining
- Counter of Watt/Ampere generated
- Operating mode ON/OFF/STAND BY
- Battery voltage
- Wireless status

By pressing the MENU button it is possible to select the language, the battery type and capacity, date and time and to perform manual maintenance operations.

The display is powered by a small lithium battery that can be recharged through a mini USB connector. A suitable cable for power recharging is part of the installation kit.

The charge status of the battery is constantly displayed in order to provide maximum information to the operator. When not in use, the display switches automatically to power saving mode.



Max-e uses a new concept fuel called Hydro-nite.

Hydro-nite is a non dangerous liquid carrying hydrogen molecules. Hydro-nite is not a polluting compound like hydrocarbons: it is a solution that transforms into gaseous hydrogen inside the catalytic fuel processor of Max-e.

After hydrogen production, Hydro-nite is converted into an harmless waste liquid that can be discharged in the grey water tank of the RV or directly in the waste water system.

Hydro-nite a new concept fuel

Empowering your freedom



Max-e can be installed in your caravan or camper in spaces like lockers, false floors or side compartments.

Max-e needs to be connected to Hydro-nite tank with the special piping provided.

The fuel tank plug-in system is designed to prevent operator contact with the fuel at any time.

The clean water and grey water reservoirs connections are in the rear part of the unit.

The battery or EBL is connected to the front part of the device.

Max-e is supplied with an installation kit complete with accessories.

By installing Max-e in a closed area, an appropriate ventilation must be provided in order to allow fresh air intake and warm air dissipation.