Battery charger DCPOWER+ 48VDC to 12VDC - 40A



Réf : **DC481240PL**

DCPOWER+ inverter/chargers can charge 12V, 24V, 36V or 48V batteries from a similar mains supply. They offer silent operation, a wide input and output voltage range, and are compatible with a variety of battery types, including LiFePO4. Featuring Bluetooth low-power technology and a 5-stage charging profile, these chargers optimise battery life and can be remotely controlled via their CAN-Bus interface.

Classic delivery

Public price TTC
653.47 €

CARACTERISTICS

BATTERY CHARGER DCPOWER+ 48VDC TO 12VDC - 40A

Réf. **DC481240PL**

Dangerous material : non
Weight :
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- Nominal current : 40A
- Protection rating : IP22
- Maximum current : 15 A
- Length : 238 mm
- Model : 48-12V/40A
- Weight : 2 kg
- Depth : 81 mm
- Height : 220 mm
- Width : 96 mm
- Output voltage : 12 V DC

SPECIFICATION

DCPOWER+ inverter/chargers are specially designed to charge 12V, 24V, 36V or 48V batteries from a mains supply of similar voltage. The most common application is to recharge a 24V propulsion unit from the 12V on-board network (model YPO12-24/30), but these chargers can also be used to recharge LiFePO4 batteries from lead-acid batteries connected to an alternator.

These versatile chargers can be configured as a simple inverter or as a battery charger. The charging profile is similar to that of an intelligent charger, with five stages: Boost, Absorption, Floating, Automatic Refresh and Reboost. This optimised management ensures long battery life and a full charge, even for the most demanding models.

Thanks to their fanless design, DCPOWER+ units use natural convection for totally silent operation. This system offers a longer service life while allowing installation in confined spaces, such as under a bunk, without the risk of noise or overheating. What's more, these chargers are spark-proof and ISO8846/SAE J1171 certified, so they can be safely installed in environments sensitive to flammable gases, such as machine rooms.

The DCPOWER+ also features Bluetooth Low Energy (BLE) technology, guaranteeing half the energy consumption of conventional Bluetooth devices. The CAN-Bus interface and remote control via Bluetooth make it easy to manage the charger and monitor battery charge levels in real time.

Compatible with a wide range of batteries, including conventional lead-acid, sealed, AGM and gel batteries, and Lithium Iron Phosphate (LiFePO4) batteries with BMS, the DCPOWER+ is an all-in-one charger that meets the needs of any on-board or professional electrical system.