



# BATTERY CHARGER

[AC Ballast 125/200W](#) | [DC Ballast 125/200W](#) | [Battery Belt](#) | [Battery Pack](#) | **Battery Charger**

The **Battery Charger** has been designed to recharge virtually any NiCd or NiMH batteries at a rapid rate. Recharge time will be proportional to the depth of discharge and the Ah rating of the battery under charge. There is no need to discharge the battery before recharging.

The charger combines the latest electronic design and microprocessor control with the latest in power control technology. The result is a unique, compact, advanced battery charger capable of delivering an exceptionally high rate of charge with no fear of damage to the battery.

The charger is simple to use and virtually automatic in operation. Irrespective of the level of charge remaining in the battery, it will recharge the battery at a rapid rate, known as fast charge, until the battery is fully charged, when it will switch over to a maintenance charge. This maintenance charge will ensure the battery is ready for use at a moment's notice, 100% fully charged.

Indicator lights clearly show you the current state of charge being received by the battery as well as indicating a battery or connection fault.

The Battery charger is designed as one component in a reliable and robust battery system.

## FEATURES

- FAST CHARGE WITH NO NEED TO DISCHARGE YOUR BATTERY BEFORE CHARGING
- ADVANCED DESIGN EXTENDS BATTERY LIFE
- IT CAN REMAIN CONNECTED TO BATTERY INDEFINITELY without fear of overcharging
- DIAGNOSTIC CAPABILITIES: indicator lights shows state of charge, as well as battery or connection faults
- RUGGED AND COMPACT
- PROVEN AND RELIABLE DESIGN

## SPECIFICATIONS

· INPUT VOLTAGE	115V / 230V User selectable. 50/60 Hz. Universal 100-260V, 50-60Hz version available.
· EARTH LEAKAGE	<1mA
· POWER FACTOR	0.85 Power factor corrected to EN61000-3-2 Class A.
· INPUT POWER	130W
· OUTPUT RANGE	For batteries having two independent banks of Ni-Cd or Ni-MH cells. 12V -14.4V (10-12 cells), 2.4 Ah - 14Ah.
· CHARGE CURRENT	2.5A DC
· CONTROLS	ON / OFF CONTROLS The Charge is fitted with a double pole ON/OFF switch on the rear.  RESET A reset button is fitted on the front panel to clear a battery fault condition. The reset function is disabled during normal charging.

· CONNECTIONS	<p>Input: AC Input via a universally used IEC power socket on rear of charger. This allows easy selection of correct AC power cable for the customer.</p> <p>Output: Battery: 5 core cable fitted with 5 pin XLR plug: Pin 1 - A Neg Pin 4 - B Pos Pin 2 - A Pos Pin 5 - Temp Feedback Pin 3 - B Neg</p>
· PROTECTION	The charger is fitted with a 2A T 20mm slow-blow 250V fuse. For UK versions, the mains plug is suitably fused. The charger also incorporates an 80oC thermal switch to terminate charge in the event of an over-temperature condition inside the charger.
· INDICATOR LIGHTS	Amber - mains in, Solid Green - fast charge Flashing Green - maintenance charge, Red - faulty battery cells, connections or excessive temperature.
· MECHANICAL	All aluminium construction. Size: LxWxH - 210 x 125 x 100 mm Weight: 2.5 kg
· CONFIGURATION	The battery charger does not rely on temperature to terminate high rate charge. For added safety the battery must be fitted with a normally closed thermostat, rated at 45 - 50 o C and connected across pin 1 and 5 of the battery output socket. It is modular in construction and can be banked together to form a multiple charge station.
· ENVIRONMENTAL	Operating: Temp: 0 to 35oC, Humidity: 10 to 80% no condensation. Storage: Temp: -20 to 85oC Humidity: 5 to 90% no condensation.
· COOLING	Fitted with a progressive cooling fan. Airflow increases as the charger temperature increases. This prolongs fan and charger life, as well as reducing noise.
· FINISH	Black anodised.

*For your safety the Charger has been designed, constructed, and tested to stringent European "CE" and American UL Safety and EMC Standards.*

### Ordering information

Type	Order Ref	Comments
Battery Charger	PS MAXI-DBC Standard	115/230V User selectable AC input
Battery Charger	PS MAXI-D UNIBC Universal	Universal AC Input. Auto-ranging.

Note: Specifications subjects to change without notice.