



Image shown might not reflect actual configuration

## SPECIFICATION

### AC SUPPLY

VOLTAGE RANGE 90 V to 305 V (L-N)

### FREQUENCY RANGE

48 Hz to 64 Hz (L-N)

### DC OUTPUT RATING

10 A DC at 24 V DC

### RIPPLE AND NOISE

<1%

### EFFICIENCY

>86%

### REGULATION LINE

<0.5%

### LOAD

2%

### TEMPERATURE SENSOR INPUT

PT1000

### PROTECTIONS

Short Circuit  
DC Over Voltage  
DC Over Current  
Reverse Polarity  
Over Temperature  
AC Under & Over Voltage

### CHARGE FAILURE RELAY

3 A at 30 V DC volt free relay

### DIMENSIONS OVERALL

70 mm x 200 mm x 130 mm  
2.7" x 7.9" x 5.1"

### WEIGHT

0.75 kg

### OPERATING TEMPERATURE RANGE

-30 °C to +80 °C  
-22 °F to +176 °F

### STORAGE TEMPERATURE RANGE

-40 °C to +70 °C  
-22 °F to +158 °F

## BATTERY CHARGER

The intelligent battery charger has been developed with safety, usability, optimised battery performance and maximum battery lifetimes in mind.

A comprehensive range of input and output protections ensures a continued safe charging environment also enabling the use of the charger as a power supply.

## FEATURES

- Intelligent two, three and four stage charging profiles
- Configurable to suit most battery types (12V/24V)
- Adjustable current limit
- Can be used as a battery charger, power supply or both at the same time
- Automatic or Manual boost and storage charge functions to help maintain battery condition
- Digital Microprocessor Technology
- Temperature compensation for battery charging
- Low Output Ripple and superb line regulation
- Three LED Indicators
- AC input Under voltage
- AC input Over voltage
- Battery charger output Over voltage
- Battery charger output Over current
- Optional battery temperature compensation with over temperature protection
- Output short circuit and Inversion polarity with auto recovery
- Configurable charge termination

### Automatic Boost Mode

- Boosts and equalises cell charge improving battery performance and life

### Power Save Mode

- Once the battery is fully charged the chargers switch to Eco-Power to save energy

### Communication

- Can be integrated into external systems through MODBUS RTU using RS485
- Fully configurable via PC Software
- External remote LCD option

## BENEFITS

- Fully flexible to maximise the life of the battery
- Suitable for a wide range of battery types
- Switched mode design
- Minimum 86% efficiency throughout full operating range
- No external intervention for boost mode
- Multiple chargers can be linked together to provide larger current output
- Can be permanently connected to battery and mains (utility) supply. No need to disconnect through high load conditions.

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