

FEATURES

LED INDICATORS

No more guess work, the charging mode and fault conditions are clearly displayed.

PROTECTION

Sophisticated circuitry provides protection against overload, short circuit, overtemperature and reverse polarity.

RELIABILITY

Engineered using high quality components and

manufactured to stringent quality standards ensures optimum reliability, backed by a full 2 year warranty.

DC CIRCUIT BREAKER

Provides full isolation from your batteries along with the important safety of a 'No Spark' - battery connection.

AUSTRALIAN

Proudly designed and manufactured in Australia by an Australian owned company.



BATTERY CHARGER

DC SERIES



LATRONIC SUNPOWER PTY LTD.
CALOUNDRA QLD 4551
ABN 97 010 707 169
www.latronics.com

APPROVED DISTRIBUTOR



100%
AUSTRALIAN OWNED

5 Stage
Intelligent Charging



100%
AUSTRALIAN MADE

Latronics fully automatic battery chargers are suitable for most charging applications. These microprocessor controlled intelligent chargers have 2 major benefits compared with conventional chargers:

1. Accurate 5 stage charging allows maximum charge into your batteries to minimize charge time, while additional sensitive charging cycles protect your investment by extending battery life.
2. Higher efficiency with synchronous rectification. Instead of using standard diodes in the rectification process, low loss Mosfets are used to minimize internal losses. This wasted energy would normally be dissipated as heat however, with synchronous rectification your charger runs cooler and requires less power to operate.



HOW IT WORKS

BOOST MODE

Is a high current, high voltage charging cycle to allow maximum charge into the battery as quickly as possible.

ABSORPTION MODE

The high voltage is maintained while the current is reduced, until the battery is charged to its maximum capacity.

FLOAT MODE

The battery is now held at an optimal voltage with a small trickle charge, ensuring the battery is ready for action.

SILENT MODE

Remaining in float charge indefinitely has been shown to reduce battery life. Silent mode removes all charging and allows the battery to settle naturally, maximising the life of your battery. The battery is then continuously monitored and automatically topped up as required.

EQUALISATION MODE

Every 90 days an equalisation cycle is performed to ensure that all cells in the battery are all at an equal state of charge. This prevents battery stratification while also reducing sulphation.



CHARGER MODEL	DC-1230	DC-2415
Nominal DC Voltage	12V	24V
Charge Current Continuous	30A	15A
Equivalent RMS Current	45A	22A
Boost Voltage	13.9 - 15.2	27.8 - 30.4
Absorb Voltage	13.9 - 15.2	27.8 - 30.4
Float Voltage	13 - 14	26 - 28
Equalise Voltage	14.8 - 15.4	29.6 - 30.8
Input Voltage	240 Vac +/- 5%	
Input Frequency	45 - 65 Hz	
Operating Temperature	-10°C to +50°C	
DC to AC Isolation	3500V	
Battery Leads	1m Long with 10mm mounting Lugs	
Protection Circuitry	Over temperature, Overload/ Short circuit, Reverse Polarity	
Dimensions	260 mm x 160 mm x 100 mm	
Chassis	Powder Coated 2mm Aluminium	
Warranty	2 years	
Standards	AS3100, EN55014 & Cock	
Weight	5 kg	

FEATURES

- > Battery type selector
- > Temperature Compensation
- > Status Indicators
- > No Spark - Battery connection
- > Full electronic protection
- > 5 Stage Charging
- > Powder Coated Aluminium Case