

# INTELLIGENT BATTERY CHARGER SERIES



This new charger has built-in intelligence  
 Designed to deliver exactly the right amount of charge automatically every time  
 Manufactured to BS3456, IEC335, UL1236, EN60335, CE mark to ENB5008 – 1

- Microprocessor controlled
- Short circuit protection
- Reverse polarity protection
- High Temperature protection
- Soft start current control
- Fast constant current bulk charge
- 3-stage charging CI-CV-Float
- Constant voltage float/standby
- Proportional timing
- Flexibility – to match battery specification
- Output leads: 1.5m long fitted with crocodile clips
- Dimensions: 143 x 103 x 91mm
- Weight: 1.9kg (approx)
- UK manufactured
- LED indication of float charge, bulk charge, short circuit, reverse polarity, thermal shutdown.



**Short Circuit Protection** – Prevents damage to the charger if the dc output is short circuited. Visual indication is by alternate flashing red and green indicators.

**Reverse Polarity Protection** – Prevents damage to the charger if the battery is connected in reverse. Visual indication is by a continuous flashing red indicator.

**High Temperature Protection** – If the internal case temperature rises to an unusually high level then the system will shut down. When the temperature has settled to a safe level the full charge current will be available. The visual warning for high temperature is by simultaneous flashing red and green indicators.

**Soft Start** – On power up the system will enter a “soft start” mode. This means that the charge current will build up slowly. During this time the charger will scan intensely for possible faults i.e. reverse battery, short circuit etc.

**Constant Current Bulk Charge & 3 Stage Charging** – Provides the fastest possible way to recharge the battery without overcharging.

**Constant Voltage Float** – Compensates for self discharge to hold the battery at peak charge ready for use. The battery can be left on charge until required, there will be no overcharging.

**Proportional Timing** – Varies the second (constant voltage) stage in proportion to the time taken for the first stage (constant current). This allows optimal charging by eliminating the compromise of fixing charge timers. When the charger enters float charge mode the battery is 100% fully charged.

Current	Voltage	Voltage (bulk)	Voltage (float)	Input Voltage (options)	YUASA Part No.
<b>3Amp</b>	<b>12V</b>	<b>14.5V</b>	<b>13.65V</b>	<b>230/110VAC</b>	<b>YCP3A12</b>
<b>4Amp</b>	<b>12V</b>	<b>14.5V</b>	<b>13.65V</b>	<b>230/110VAC</b>	<b>YCP4A12</b>
<b>1.5Amp</b>	<b>24V</b>	<b>29.0V</b>	<b>27.3V</b>	<b>230/110VAC</b>	<b>YCP1.5A24</b>
<b>2Amp</b>	<b>24V</b>	<b>29.0V</b>	<b>27.3V</b>	<b>230/110VAC</b>	<b>YCP2A24</b>

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# YUASA

Cat. No.	IBC1SFMay02
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