

### Features:

- One charger for 12V, 24V, 36V or 48V batteries.
- Smart Multistep Characteristics
- LED indicators for various charging stages
- Rate up to 900 watts for 24V and higher voltages
- Low inrush current
- Full protection against short circuits and reverse battery polarity
- Compact with carry handle
- Full compliance with EMC requirements



### Specifications

<b>Input Voltage</b>	115VAC (90 ~ 130) 230VAC (200 ~ 260) (Switch selectable)
<b>Frequency</b>	50 / 60Hz
<b>Efficiency</b>	80%
<b>Input Current</b>	15A @ 115VAC 7A @ 240VAC
<b>No Load Input Current</b>	< 0.2A
<b>Output Power</b>	450 ~ 1000 watts
<b>Voltage Adjust</b>	N/A
<b>Protection</b>	Incorrect Battery Connection Reverse Battery Connection NO Battery connection Short Circuit protection Over-voltage protection Thermal protection
<b>EMC Emission</b>	Emission EN 5514-1, -2
<b>Immunity</b>	IEC 61000-4, -2 - 4 - 5- 6- 11
<b>Safety</b>	EN60335-1 , AS/NZS 60335 pending
<b>Isolation</b>	Input – Output: 3000VAC
<b>Operating Temp</b>	-20°C to +60°C at 100% load.
<b>Insulation</b>	Class I insulation
<b>Cooling</b>	Fan cooled. Variable speed, temperature dependant.
<b>Connector Input</b>	IEC socket
<b>Output</b>	Cable & Battery Clips
<b>Led Indicator</b>	Yellow: Absorption / Soft Start Red: Error Green: Full Charge / Float mode
<b>Dimensions</b>	300 x 223 x 101mm (LxWxH)
<b>Weight</b>	4.5kg

### Description

The SA-MBC smart battery charger is designed to charge 12V, 24V, 36V or 48V batteries using this one charger. The safety features built-in to this charger, allows for simple and safe operation of charging any battery.

The selection of battery voltage is made through push-buttons on front panel, allowing quick and easy selection of system voltage.

Three LEDs also provide an instant indication as to the charge cycle that the charger is in. At the end of the charge cycle, the charger can be connected to the battery indefinitely.

Suitable for a wide range of lead acid batteries, the unit recognises if an incorrect battery voltage is connected and indicates the incorrect voltage through a RED LED. No damage to the battery would happen as the unit will not power up.

### Charger output voltages specifications

Nominal Output Voltage	12V	24V	36V	48V
<b>Max Output A</b>	30A	30A	25A	15A
<b>Max Output Power</b>	450W	900W	1000W	900W
<b>Charge Voltage</b>	14.7V	29.4V	44.1V	58.8V
<b>Float Voltage</b>	13.6V	26.6V	39.9V	53.2V