

## Sealed Lead-Acid Charger

Input Voltage

100 - 240Vac +/-10%

### Specification

<b>Input Frequency</b>	50 - 60Hz
<b>Output Current</b>	
Fast Charge (AGM)	DC 29.6V (+/- 0.2V)
Float Charge (AGM)	DC 27.3V
Fast Charge (GEL)	DC 28.8V (+/- 0.2V)
Float Charge (GEL)	DC 26.7V
<b>Charging Current</b>	
Fast Charge	DC 5000mA +/- 10%
Float Charge	<DC 1000mA
Maintenance Stage	<DC 1000mA
<b>Over Voltage Protection</b>	DC 31V Max.
<b>Over Current Protection</b>	DC 6A Max.
<b>Leakage Current</b>	0.75mA Max.
<b>Input Power</b>	180W
<b>Input Standby Power</b>	<0.5W
<b>Efficiency</b>	>85% @ Full Load
<b>Battery Charging Capacity</b>	15 - 50 Amp Hours
<b>Output Cord</b>	2m long, SJT type (Hard Usage) with XLR 3-pin Male Connector
<b>Dielectric Withstand Voltage</b>	AC 3.0KV for 1 min. @ 10mA leakage
<b>Insulation Resistance</b>	50Mohm Min. at 500Vdc between Primary and Secondary

2 LEDs for Status Indication



Due to continuous improvements to our products, product may vary slightly from depiction.

#### 1. Power LED (Clear Lens - Red Color)

Description	LED
Power On	On
No AC Power	Off

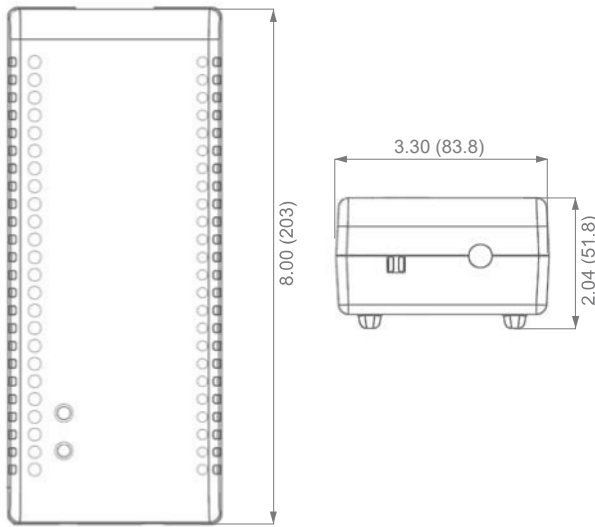
#### 2. Charging / Faults - LED (Clear Lens - Red / Green Color)

Charging - Description	Red LED	Green LED
No Battery/Full Charge (20 Hrs)	Off	Off
Bulk /Absorption Charge	On	Off
Float Charge	Off	Continuous Blinking
Maintenance Charge	Off	On Steady

INDICATION CHARGE/FAULT - Red LED		FAULT
1	LED is off.	No batteries - Voltage < 9V
2	LED - continuous rapid flashing	12 hr. charge timed out
3	LED-1 flashes every 3 sec.	Battery voltage < 14V
4	LED-2 flashes every 3 sec.	Batteries are connected in reverse polarity
5	LED-3 flashes every 3 sec.	Over voltage from batteries
6	LED-4 flashes every 3 sec.	Over current from charger

<b>Operation Temperature</b>	0-C to 40°C
<b>Storage Temperature</b>	-20-C to 60-C

## Dimensions: inches (mm)



### Features:

For **AGM** batteries the charger provides Three Charge States. An integrated circuit monitors and controls both the output voltage and current of the charger through three separate charge states.

1. A *HighCurrent Fast Charge State* : battery charges at 5000mA fast charge current rate until battery voltage of 29.6V is reached.
2. A *Topping Charge State* : battery charges at 29.6V constant voltage and current begins to taper until current is less than 1000mA.
3. A *Precision Float Charge State* : the charger changes to the float state and holds the battery voltage at 27.3V.

For **GEL** batteries the charger provides Three Charge States. An integrated circuit monitors and controls both the output voltage and current of the charger through three separate charge states.

1. A *HighCurrent Fast Charge State* : battery charges at 5000mA fast charge current rate until battery voltage of 28.8V is reached.
2. A *Topping Charge State* : battery charges at 28.8V constant voltage and current begins to taper until current is less than 1000mA.
3. A *Precision Float Charge State* : the charger changes to the float state and holds the battery voltage at 26.7V.

**Note:** For battery maintenance this battery is equipped with "Auto-Restart" that will start the charge cycle again when battery voltage drops to 25.3VDC.

### Protections:

- Short Circuit Protection
- Over Current Protection
- Over Voltage Protection
- Battery Polarity Reversal

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All specifications are subject to change without notice.

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Safety Standards