

# Technical Specifications

## Electrical Characteristics:

1. Input Voltage	170 – 300V AC
2. Output Voltage-Boost mode	14V DC
3. Output Voltage-Float mode	13.4V DC
4. Charging Current-Boost mode	06A
5. Charging Current-Float mode	0 – 2.5A
6. Leakage Current @ 230 V ac	< 2mA
7. Line regulation	< 1%
8. Load regulation	< 1%
9. Ripple content	150mV p-p
10. Dielectric strength:	
i. Between Input & Output	2kV AC
ii. Between Input & Earth	1.5kV AC
iii. Between Output & Earth	1.5kV AC

## Protections

1. In rush current	Limited by NTC Thermister
2. Over voltage at Input	Shut down above 300V AC
3. Under voltage at Input	Cutoff at 140V AC. Cut in at 160V AC
4. Over voltage at Output	15.5V
5. Short circuit at Output	Protected
6. Overload at Output	Protected
7. Reverse polarity of Battery	Protected
8. Over voltage due to external source	Protected

## Other Features

1. Indications	Mains ON, Boost mode, Float mode, Battery Reverse
2. Annunciation	Potential free NO/NC contact for Charger ON/FAIL

## Mechanical

1. Type of mounting	Wall mounting Type
2. Dimensions WxDxH	175x115x60
3. Weight (Approx.)	1000g

## Environmental

1. Operating Temperature	0 – 50 Deg.C
2. Operating Relative Humidity	0 – 80% Max.
3. Vibrations	10 – 500Hz 2G-10min. / 1 Cycle 60 min. along all three axes