



Parameters	Specification
INPUT	
Input Voltage Range	90 - 300 VAC
Frequency	47 - 63 Hz
Input Power Factor	≥ 0.95
Peak Efficiency	90%
Max Rated input Power	1523 W
Connections	Mains Cord 1 sqmm 1.5m Length with Indian standard 3 Pin 16A Power Plug
OUTPUT	
Battery Type	LFP
No of Cells in series	16 S
Max. Charge Voltage	58.4 V ± 0.5 V
DC Voltage	51.2 V
Max. Charge Current	25A ± 0.5A
Current Ripple	< 10%
Modes	Pre charge - CC - CV
Connectors	2 Core Anderson connector SB50 (Can customized as per battery input)
PROTECTIONS & ALARM INDICATION	
Output Over Current	YES
Output Short Circuit	YES
Over Voltage Protection	YES
Reverse Polarity	Built-in/Fuse
Alarm Indication	Buzzer
Display Indication	LED indications
Output side Current protection	DC Fuse 40A
Input side Current Protection	AC Fuse 10A
Input side Surge Protection	MOV 320V
OTHERS	
Enclosure	Iron Body
IP Rating	IP 20
Dimensions (Product)	(315.4 X 142.5 X 87.8 mm) ± 1 MM
Weight (without packing Box)	3.7 Kg approx
Humidity	0-90% Non condensing
NOTE: Unless otherwise stated, the data are based on 25°C ambient temperature, 230VAC input voltage and full load conditions.	

Features :

- Wide input Voltage Range - 90 VAC to 300 VAC
- Input Power factor ≥ 0.95
- Pre Charge Function
- Battery Charging - Soft Start
- DOD Based Charging
- Three Stage Charging Profile -Pre charge ,CC,CV
- Automatic O/P current De-rating at Lower I/P AC Voltage
- LED display for charging status and Error Status
- OCP, SCP, OVP, OTP, Reverse Battery, Surge Protection

LED Display :

Status of Charge	LED 25%	LED 50%	LED 75%	LED 100%	GRID LED
<25%	BLINK	-	-	-	GLOW
25% CHARGED	GLOW	BLINK	-	-	GLOW
50% CHARGED	GLOW	GLOW	BLINK	-	GLOW
75% CHARGED	GLOW	GLOW	GLOW	BLINK	GLOW
100% CHARGED	GLOW	GLOW	GLOW	GLOW	GLOW

Protections :

LED Indications						
S. No.	Conditions	LED 25%	LED 50%	LED 75%	LED 100%	GRID LED
1	Over Charging Current	BLINK	OFF	OFF	BLINK	GLOW
2	Over Battery Voltage	BLINK	OFF	BLINK	OFF	GLOW
3	Short Circuit	OFF	BLINK	OFF	BLINK	GLOW
4	Reverse Battery	OFF	BLINK	OFF	BLINK	GLOW
5	Over Temperature	BLINK	BLINK	BLINK	BLINK	GLOW
6	Grid High/Low cut	OFF	OFF	OFF	OFF	BLINK

Charging Profile Graph

