

SURJA MAX SPECIFICATIONS	
Model Name	SURJA MAX 5500
System Rating (VA/W)	4375 VA (3500 W Bulb Load)
Input Parameters	
Nominal Input Battery Voltage	48 V
Main Input Voltage Range (UPS Mode)	180 VAC - 265 VAC ± 5 VAC
Main Input Voltage Range (Normal Mode)	100 VAC - 280 VAC ± 15 VAC
Battery Charging	
Max. Grid Charging Current to Battery	15 A
Max. Solar Charging Current to Battery	25 A
Modes	
Energy Saver Modes	4 ES Modes Via Switch (Front Panel)
Solar Charging Selection Modes	2 Modes (20A / 25A) Via Switch (Front Panel)
UPS/NORMAL	Via Switch (Front Panel)
Output Parameters	
Wave Form Type	SURE SINE WAVE
Output Voltage Regulation	200 VAC ± 10%
Output Frequency	50 Hz ± 0.5 Hz
Peak Efficiency (with linear load)	≥ 80%
Distortion (THD)	<3% on linear load
Overload Protection	Provided at >100% with Auto Reset
Low Battery Protection	Provided at < 10.4V (Per Battery) with Auto Reset
Short Circuit Protection	Provided at ≥300% with Manual Reset
Over Temperature Protection	Provided at ≥85deg. C
Change Over Time	
In UPS Mode	≤12 milliseconds
In Normal Mode	≤50 milliseconds
Battery Parameter (Per Battery)	
Boost Voltage	14.4 VDC ± 0.2 VDC
Float Voltage	13.5 VDC ± 0.2 VDC
Low Battery Cut	10.4 VDC ± 0.2 VDC
Battery Type	12 V (100AH to 260AH)
Solar Charge Controller	
Type	PWM
Solar Input Voltage range (Vmpp)	60V - 84V
Max Solar DC Input Voltage (Voc)	100 V
Maximum Solar Array	4200 W
Max. Solar Current	70 A
Charger Efficiency	Upto 92%
Environment	
Forced Cooling	Through Cooling FAN
Humidity	0-90% Non Condensing
Operating & Storage Temperature	0-45deg. C
Display Parameters	
Display Type	Dual Display (LCD & LED)
Parameters	Solar ON, Mains On/Fuse Blown Indication, Battery Charging / Charged, Back-up Mode, Low Battery Protection, Overload/Short Circuit Protection
Connectivity	Bluetooth / Wifi (Optional)
Mechanical Parameters (Without Packing)	
Dimension (LxWxH) mm	320x340x450

Note : Specifications and models subject to change without prior notice