



**MOST ADVANCED TECHNOLOGY
MPPT BASED PCU**

FORGET THE FEAR OF DARKNESS WITH SUPERB



**INDEPENDENT CHARGER FOR
DEEP DISCHARGE BATTERY RECOVERY**



**30% MORE
EFFICIENT**



**CHARGING
FROM MAINS
UPTO 90 VOLTS**



**LCD
DISPLAY**



**ADVANCED DSP
CONTROLLER FOR
EFFICIENT WORKING**



PRODUCT SPECIFICATIONS			
MODEL NAME	SUPERB 1100VA/12V	SUPERB 2200VA/24V	SUPERB 5.2 KVA/48V
Mains Input mode			
Mains Input AC Range UPS mode	175VAC to 265VAC		
Mains Input AC Range WUPS mode	90VAC to 285VAC		
Input Frequency Range	40Hz to 60Hz		
Battery			
Boost charging voltage for LA Battery	14V ± 0.2V	28V ± 0.2V	56V ± 0.2V
Boost charging voltage for Tubular and SMF Battery	14.5V ± 0.2V	29V ± 0.2V	58V ± 0.2V
Charging Current By Grid	15A ± 2A		
Backup Mode			
Output voltage	220VAC + 5% -10% (until battery low alarm)		
Output frequency	50Hz ± 0.2 Hz		
Low Battery Cut	10.4V ± 0.2V	21.6V ± 0.2V	43.2V ± 0.2V
Protections			
Overload in backup mode	Available		
Short Circuit in Backup Mode	Available		
Short Circuit in Mains Mode	Available		
Reverse Battery	Available		
Solar Charge Controller			
Solar Charge Controller type	MPPT		
Maxi Panel wattage can be connected	500 WATT	1000 WATT	up to 3000 WATT
Maximum PV Voltage	50V	85V	120V
Maximum Battery current	30 Amp.	30 Amp.	50 Amp.
Efficiency	> 93%		
Reverse PV protection /current flow to PV	Available		
Sharing of current when PV and Grid Both are available	If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid.		
Display and Alarms			
LCD Fault / Protection Status Display	Mains Fuse Below / MCB Trip, Short Circuit, Overload, Battery Low, High Temperature, Backfeed		
Buzzer	Mains Fuse Below / MCB Trip, Short Circuit, Overload, Battery Low, High Temperature, Backfeed		


HOME UPS
SOLAR PCU
TUBULAR BATTERY
SMF BATTERY
**MPPT SOLAR
POWER CONDITIONING UNIT**
**SOLAR
CHARGE CONTROLLER**
**SOLAR
KITS & ACCESSORIES**

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