



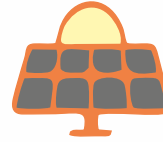
Smart Solar Selection Logic based on built in Real Time.



Provision for maintaining the battery gravity with 3 stage smart charging.



Simultaneously Charge batteries by solar & Grid



Intelligently gives the priority to solar power & take the balance from Mains.



Optimum Solar Power Usage with High Current Solar Charge controller.

## Technical specifications: MPPT SOLAR PCU

Parameters	1100VA	2000 VA	2750VA	3500 VA	5000 VA	5000 VA	7.5KVA	10KVA	15KVA
Number of Batteries	1.	2.	2.	4.	4.	8.	10.	10.	15.
Max Spv (wp)	1000 Wp	1800 Wp	2500 Wp	2800 Wp	4000 Wp	4000 Wp	6000 Wp	10000 Wp	15000 Wp
Max Spv (Voc)	52Voc	105Voc	105Voc	200Voc	200Voc	360Voc	460 Voc	460Voc	600Voc
Out Put Load	0.8 PF (Bulb Load)								
Grid I/p Range	Wide-Inverter mode 100V-280Vac / Narrow-UPS mode 170V-260Vac								
Inverter switching device	MOSFET based					IGBTs based			
O/p Waveform	Pure Sine Wave								
O/p Volt (vac)	220±5%								
Frequency	50 ± 0.15 Hz								
Peak Efficiency (Inverter mode)	>= 85%								
Peak Efficiency (Mppt Charging Mode)	Upto 97.5% (with synchronous Buck converter below 3KVA)								
Mppt Topology	Smart HF Buck Converter (mosfet)				Smart Buck Hf Converter (mosfets/igbts)				
O/p Modes	Solar /Grid/Battery (user Selectable)								
Operating Temp.	up to 55 deg.cel								
Humidity	95% non-condensing								
Cooling Type	Exhaust Fan								
Display (dual)	Solar Voltage, Solar Current, O/p Voltage, Grid Voltage, Overload, Over Temp, Solar Over Voltage								
Protections	All faults are protected through electronics and software								
Alarm	Alarm for All faults are through electronics and software								
Priority	Solar Then Grid/battery								
Change To Grid	Automatic Through Software Control								

Technical specifications is for reference, all working mode like charging and load features will be set according to Li battery.

## Application

HOME. OFFICE. SCHOOL. COLLEGE, SHOPS. PUMP SET. PETROL PUMP.