

Specifications of 600 VA - 5 kVA Solar PCU-M for Off Grid application



Power plant Rating VA	600	800	1000	1500	2000	3000
Input Voltage (nom) Vdc	24	24	24	24/48	48	48
PV Input Voltage (max)	50	50	50	50/100	100	100
Charge controller	MPPT type					
Ac Grid Charger for Battery charging	8	8	10	10	15	15
C	20					
Inverter continuous output rating Watts	480	640	800	1200	1600	2400
Inverter Output voltage Vac	230V, 1-ph	230V, 1-ph	230V, 1-ph	230V, 1-ph	230V, 1-ph	230V, 1 ph
Output frequency	50 Hz +/-1Hz					
Output voltage regulation	+/- 5% from no load to full load					
Overload	110% form 10Sec					
Output wave shape	Sine wave					
Load Power factor	0.8					
Efficiency (DC - AC)	> 85% at full load					
Charge controller Efficiency	Above 90%					
THD	<3%					
AC Charger Efficiency	Upto 95%					
Ambient temperature	0- 40 deg C					
Humidity	0-95% RH					
No load Current	< 2% of the rated capacity					
Metering and Instrumenation	LCD/LED display - With Grid- AC in, Temperature, Mains Charging On, Mains Charging Off Inverter Mode- Battery Voltage, AC Input Voltage, AC Output Voltage, Load wattage, Temperature,					
Staus indications	System On, Grid Charging, Load On Grid, Solar On					
Protection	Excees Heat, Battery Low, Over Load, Short Circuit					
Input connection	terminal block for output/input					
Battery connection	terminal block					
Type of cooling	natural air cooled					
Mounting	Floor standing					
Battery type	Compatible with all types of Lead acid Flooded/VRLA/SMF OR Ni CD					
Data logging	Optional - Logs AC/DC Kwh, Voltage , current Parameters - Detailed list will be provided seperately when					
Operation Mode	OFF -Grid Solar-Battery-Grid Priority					

MODEL:SPCU-M

