



## SOLAR POWER CONDITIONING UNIT (PCU)

### ◆ DESCRIPTION:

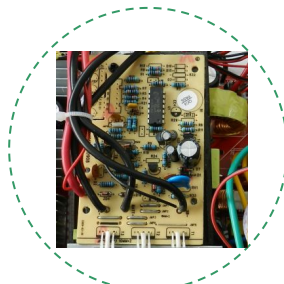
Solar Power Conditioning unit (PCU) is an integrated system consisting of a [solar charge controller](#), [inverter](#) and a Grid charger. It provides the facility to charge the battery bank through either a Solar or Grid/DG set. The PCU continuously monitors the state of battery voltage, solar power output and the load. Due to constant usage of power, if the battery voltage goes below a set level, the PCU will automatically transfer the load to the Grid/DG power and also charge simultaneously. Once batteries are charged to the preset level, solar PCU cuts off the Grid/DG power from the system and restores it to feed the loads from the battery bank while also returning to charging the battery from the available solar power. The PCU always gives preference to the solar power and will use Grid/DG power only when the solar power / battery charger is unable to meet the load requirement.

### ◆ FEATURES:

- **Mains Range Selectable:** 110 to 180Vac or 185 to 260Vac
- **Intelligent Cooling Fans:** Temperature controlled cooling fan operation to optimize cooling based on MOS temperature
- **Perfect Protection:** High level of protection from overload, short-circuit, over-temperature, battery low and battery overvoltage, reverse phase at output.
- **LCD Display:** Multi-function LCD display for status and fault annunciation
- **Low Standby Loss:** <6W
- **Compact Design:** small size, and light weight
- **Perfect Detection:** Grid and DC fuse fail detection



LCD Display



Built-in Charging Unit



Intelligent Cooling Fans




3 years

RoHS CE



◆ **PRODUCT MODELS:**

Model	Specification	Pic
GLPCU-1000-60-12	1000w/60A/12v	
GLPCU-1000-40-24	1000w/40A/24v	
GLPCU-2000-60-24	2000w/60A/24v	
GLPCU-2000-40-48	2000w/40A/48v	
GLPCU-3000-60-48	3000w/60A/48v	
GLPCU-4000-60-48	4000w/60A/48v	
GLPCU-4000-40-96	4000w/40A/96v	
GLPCU-5000-100-48	5000w/100A/48v	
GLPCU-5000-50-96	5000w/50A/96v	

◆ **WIRING DIAGRAM:**

