

OKAYA SOLAR - FREEDOM FROM RISING ELECTRICITY BILLS

SOLAR PCU MPPT

Models: Solar PCU MPPT 8070/96V
Solar PCU MPPT 10070/120V

High Efficiency Okaya Solar TRUE MPPT PCU are based on DSP technology.

- ▶▶ Pure DSP Sine Wave Technology.
- ▶▶ User Friendly Smart Multicolor LCD Display.
- ▶▶ State of the art and advanced MPPT Technology ensures 30% More Energy generation from Solar PV.
- ▶▶ Advance Real Time Clock Technology ensures optimum Saving of Electricity bill.
- ▶▶ Smart LCD displays total solar energy generation (in KWH).
- ▶▶ Provision for setting Critical Parameters of Solar thru Smart Front Panel
- ▶▶ Smart logic built in Software to maintain Battery Gravity and Enhance Battery Life.
- ▶▶ Battery Types Support : Tubular, SMF and Flat Plate .
- ▶▶ Remote monitoring thru Wi-Fi /LAN/GPRS (optional feature).

OKAYA SOLAR MPPT PCU

TECHNICAL SPECIFICATIONS		
MODEL SOLAR PCU MPPT	8070/96V	10070/120V
PV Controller Topology	MPPT	
Rated Capacity	7.5KVA	10KVA
Battery Nominal Voltage	96V	120V
Maximum Solar Input Power (W)	7680W	9250W
Maximum Solar Input Voltage (Voc)	280	350
MPPT Operating Voltage Range (Vmp)	180V~230V	180V~280V
Maximum PV Input Current (A)	34A ± 1A(17A/Channel, TotalChannel-2)	
Peak Charge Controller Efficiency	98%	
Max. Battery Charging Current from PV (A)	40 Amps.(default) Settable from 5 to 50 Amps for Battery	
Grid Input Voltage Range	Normal Mode: 100V~280V UPS Mode: 180V~260V	
Max. Battery Charging Current from Grid (A)	16Amp default(Settable from 5Amp to 16Amp)	
Continuous Output Power (W)	6000W	8000W
No. of Output Phase	1 Phase	
Inverter Output voltage at Nominal DC	230V±3%	
Output Frequency	50Hz±1%	
THD	≤ 3% (at Linear Load)	
Transfer Time	Normal Mode: Mains to Back-up <40mSec Back-up to Mains <15mSec UPS Mode: Mains to Back-up <12mSec Back-up to Mains <10mSec	
Most advanced Real Time Clock Technology	RTC ensures Optimum Saving of Solar Energy	
Intelligent Sharing of PV Current and Grid	State of the art inbuilt technology ensures four level of Solar Saving settings SL1 , SL2 , SL3 and SL4, selectable from front panel meeting requirement of all types of Users.	
Protections	Battery Over-Voltage, Overcharge, PV Reverse Polarity, PV Reverse Current Flow, PV Surge, Overload, Inverter Over Temperature and Load Short Circuit Protections	
Clearance on all side for Installation	Recommended 1 Feet	
Operating Temperature / Relative Humidity	0~45°C / 5%-95% Non Condensable	
Weight(Kgs.)	Net: 76.200. / Gross: 81.150	Net: 78.670 / Gross: 83.500
Dimensions (LxWxH) in mm	484x277x775	484x277x775

NOTE: Because of a policy of continuous product improvement, the specifications are subject to change without notice.

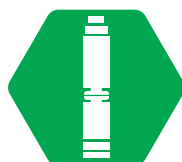
APPLICATIONS: Office, Home, Shops, Schools, Colleges, Hospitals, Clinics, Institutions, Factories, Petrol Pump, Air-Conditioner, Submersible Pump, Lights, Fans, Home Appliances, Dental Chair and Photocopier



Petrol Pump



Air-Conditioner



Submersible Pump



Factories



Lights/Fans

