

SOLAR PCU PWM SERIES



Range Available: 700VA/12V To 2.8KVA/24V

Core Features:

- ▲ Highly efficient and high switching speed MOSFET based PWM Technology.
- ▲ Single PCB concept based design for pure sine wave, solar integration and LCD.
- ▲ Inbuilt smart Solar PWM Charge controller.
- ▲ Maximum Solar Power extraction and Utilization to save electricity bill and money.
- ▲ Powerful Charging even during very low Voltage.
- ▲ Completely Noiseless Operation.
- ▲ Precise Auto Thermal management and protection.
- ▲ Fastest protection (Almost all) to make rugged and enhance product life.
- ▲ Advance and reliable software to incorporate and interface SOLAR-UPS Features.
- ▲ Intelligently Controlled Smart and PFC Charger.
- ▲ Long Backup with being a pure sine wave output.
- ▲ 5-stage Smart Charging profile (By both solar and grid) with Auto charge Equalization to Enhance Battery life.
- ▲ User Selectable switches to select choice of operation, Hybrid, smart and Normal.
- ▲ Pure sine wave Output at full load.
- ▲ Can run without solar as Normal DSP Sine wave inverter.
- ▲ Very Low maintenance and easy installation.

TECHNICAL SPECIFICATIONS: PWM SOLAR SERIES							
S. No.		UNIT					
1	Model name	VEPWM	1075, 1175, 1550, 1975	1975, 2550, 3050			
2	System rating (Name Plate)	VA	700VA, 900VA, 1100VA, 1500VA	1500VA, 2000VA, 2750VA			
3	Operating DC voltage	V	12V	24V			
4	Technology Based		DSP Micro Controllor Based				
5	Output voltage on inverter mode	Vac	220V ± 10V				
6	Output phase		Single Phase				
7	Output Frequency on Inverter	Hz	50Hz ± 0.1Hz				
8	Output voltage regulation	%	< 5 %				
9	Output THD (v) at linear load	%	< 5 %				
10	Creast Factor		3:1				
11	Cooling Fan ON at temp	°C	55 °C				
12	Cooling Fan Off at temp	°C	50 °C				
13	Battery low voltage alarm per battery	Vdc	10.8V± 0.3V				
14	Battery low voltage cut per battery	Vdc	10.5V± 0.3V				
15	Max Battery charging voltage by grid per battery	Vdc	14.4V ± 0.3V				
16	Max Battery charging current by grid	Adc	Up To 16Amp				
17	Input Voltage Range (Inv Mode)	Vac	100-290V ±10V				
18	Input Voltage Range (UPS Mode)		180-260 ±10V				
19	Input current at no load at Nominal Battery	Adc	< 1.5A, DC				
20	Noise @ 1 meter	dB	< 40 db				
21	Protections		Short Circuit, Battery Overvoltage ,Battery Low voltage ,Battery Deep Discharge ,Over Temp.(Auto Recovery)				
22	LCD Display parameters (Only in Elegant Series)		Mains Voltage, Output Voltage, Battery Charging, Battery Charged, And All The Faults				
23	Indication LEDs		Mains On, Charging On, Ups On, Battery Low, Overload				
24	Changeover time from inverter to mains in UPS	ms	<10 ms				
25	Changeover time from inverter to mains in	ms	<10 ms				
26	Changeover time from mains to inverter in UPS	ms	<10 ms				
27	Changeover time from mains to inverter in	ms	<20 ms				
28	Input Protection		Push to reset Circuit breaker/MCB				
29	Mode Slection		UPS/Inverter, Charging Amp HI/LO,HIBRID ON/OFF				
SOLAR CHARGER							
30	System Battery Voltage		12V	24V			
31	Max Solar Panel Wattge		L				
32	Max Solar Current		35-60Amp				
33	Max Array Connected Panel VOC		26 VOC	52 VOC			
WEIGHT AND DIMENSIONS							
Model Name		1075	1175	1550	1975/12V	1975 24 V	2550/24V
Product Dimension (LxWxH) in MM		270*208*115		272*230*115		322*255*135	
Packing Box Dimension (LxWxH) in MM		330*320*185		360*340*180		387*405*215	
Net Weight		7.275kg	7.760kg	8.915Kg	12.950Kg	12.805kg	13.285Kg
Gross Weight		7.920kg	8.405kg	9.620Kg	13.870Kg	13.570kg	14.560Kg



HORIZON GROUP
 3rd floor, 319-321, Tower-B Spazedge,
 Sec-47, Gurugram, Haryana-122018
 Website: www.horizonind.org

