

- Inverter/Charger
- Solar Power



In our world, everything is built to last.

# Power Inverter



PWR-1K

PWR-3K

PWR-5K

- Pure sine wave inverter
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Parallel operation with up to 4 units only available for PWR-5KVA\*
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

## Power Inverter Selection Table

MODEL	PWR-1K	PWR-2K	PWR-3K	PWR-4K	PWR-5K
Rated Power	1000VA / 800W	2000VA/1600W	3000VA / 2400W	4000VA / 3200W	5000VA / 4000W
<b>INPUT</b>					
Voltage	230 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
<b>OUTPUT</b>					
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5 %				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	90%	93%			
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
<b>BATTERY</b>					
Battery Voltage	12 VDC	24 VDC	48 VDC		
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC		
Overcharge Protection	15 VDC	30 VDC	60 VDC		
Maximum Charge Current	10 A or 20 A	20 A or 30 A	20 A or 30 A		
<b>SOLAR CHARGER (OPTION)</b>					
Charging Current	50A				
Maximum PV Array Open Circuit Voltage	30 VDC	60 VDC	125 VDC		
Standby Power Consumption	1 W	2 W	2W		
<b>PHYSICAL</b>					
Dimension, D x W x H (mm)	95 x 240 x 316	100 x 272 x 355	115 x 295 x 455		
Net Weight (kgs)	5.0	6.4	6.9	9.8	9.8
<b>OPERATING ENVIRONMENT</b>					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	0°C - 55°C				
Storage Temperature	-15°C - 60°C				

\*Typical transfer time for parallel operation is 30ms.

Product specifications are subject to change without further notice