

Solar off Grid Inverter

FEATURES

- Pure sine wave inverter.
- Built-in MPPT solar charge controller.
- 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.
- Auto restart while AC is recovering.
- Overload and short circuit protection.
- Smart battery charger design for optimized battery performance.
- Cold start function.
- Parallel operation with up to 4 units only available for Galaxy Solar 5K.
- Optional Remote Control Panel available.



Specifications

Model	PT-GalaxySolar-1K-24	PT-GalaxySolar-1K-48
Rated Power	1000VA/800W	1000VA/1000W
INPUT		
Voltage	120 VAC or 230 VAC	
Selectable Voltage Range	95-140 VAC or 170-280 VAC (PC) 65-140 VAC or 90-280VAC (HA)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	110/120 VAC ± 5% (User selectable) or 230VAC ± 5%	
Surge Power	2000VA	
Efficiency (Peak)	90% - 93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY & AC CHARGER		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	31 VDC	62 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	600 W	900 W
MPPT Range @ Operating Voltage	30VDC ~ 66VDC	60VDC ~ 88VDC
Maximum PV Array Open Circuit Voltage	75 VDC	102 VDC
Maximum Solar Charge Current	25A	18 A
Maximum AC Charge Current	10 A / 20 A	10 A / 15 A
Maximum Charge Current	25A	18 A
Maximum Efficiency	98%	
Standby Power Consumption	2 W	
PHYSICAL		
Dimension, D x W x H (mm)	128 x 272 x 355	
Net Weight (kgs)	7.4	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	
Inverter Power	800W	1000W
Pmax. generated from solar charger	25Amp, 600W	20Amp, 900W
Best Panel Configuration	500Wp (250Wp x 2pcs)	1000Wp (250Wp x 4pcs)