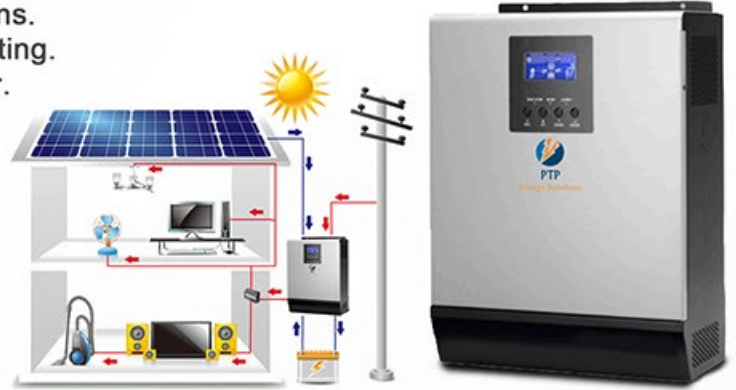


# Solar off Grid Inverter

## 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

<b>Model</b>	PT-GalaxySolar-5K-48
<b>Rated Power</b>	5000VA/4000W
<b>INPUT</b>	
<b>Voltage</b>	230 VAC
<b>Selectable Voltage Range</b>	170-280 VAC (PC) 90-280VAC (HA)
<b>Frequency Range</b>	50 Hz/60 Hz (Auto sensing)
<b>OUTPUT</b>	
<b>AC Voltage Regulation (Batt. Mode)</b>	230 VAC $\pm$ 5%
<b>Surge Power</b>	10000VA
<b>Efficiency (Peak)</b>	93%
<b>Transfer Time</b>	10 ms (For Personal Computers) 20 ms (For Home Appliances)
<b>Waveform</b>	Pure sine wave
<b>BATTERY &amp; AC CHARGER</b>	
<b>Battery Voltage</b>	48 VDC
<b>Floating Charge Voltage</b>	54 VDC
<b>Overcharge Protection</b>	60 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
<b>Maximum PV Array Power</b>	3000W
<b>MPPT Range @ Operating Voltage</b>	60VDC ~ 115VDC
<b>Maximum PV Array Open Circuit Voltage</b>	145 VDC
<b>Maximum Solar Charge Current</b>	60 A
<b>Maximum AC Charge Current</b>	60 A
<b>Maximum Charge Current</b>	120 A
<b>Maximum Efficiency</b>	98%
<b>Standby Power Consumption</b>	2 W
<b>PHYSICAL</b>	
<b>Dimension, D x W x H (mm)</b>	140 x 295 x 540
<b>Net Weight (kgs)</b>	13.5
<b>OPERATING ENVIRONMENT</b>	
<b>Humidity</b>	5% to 95% Relative Humidity(Non-condensing)
<b>Operating Temperature</b>	0°C - 55°C
<b>Storage Temperature</b>	-15°C - 60°C
<b>Inverter Power</b>	4000W
<b>Pmax. generated from solar charger</b>	6Amp, 3000W
<b>Best Panel Configuration</b>	3000Wp (250Wp x 12pcs)