

## Off Grid Solar inverter



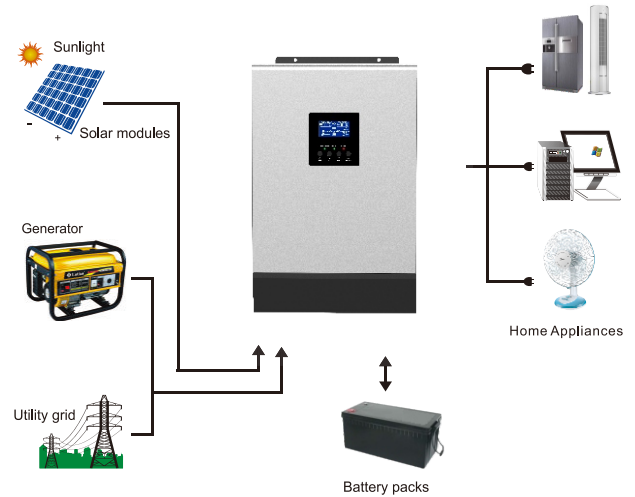
### »» Features

- 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
- Parallel operation with up to 6 units (30KVA) only available for 5KVA

### »» Overview



### »» Solar System Connection



## »» Product Data Sheet

MODEL	MPS PLUS 5K-48
Rated Power	5000VA/5000W
<b>INPUT</b>	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt.Mode)	230VAC±5%
Surge power	10000VA
Efficiency(Peak)	93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)
Wave form	Pure Sine Wave
<b>BATTERY &amp; AC CHARGER</b>	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	60VDC
Maximum charge current	10A/20A/30A/40A/50A/60A
<b>SOLAR CHARGER</b>	
MAX.PV Array Power	3000W/4000W
MPPT Range@ Operating Voltage	60-115VDC
Maximum PV Array Open Circuit Voltage	145VDC
Maximum Charging Current	60A/80A
Maximum Efficiency	98%
Standby Power Consumption	2W
<b>PHYSICAL</b>	
Dimension.D*W*H(mm)	540*295*140/468*295*136
Net Weight (kgs)	11.5kg/13.5kg
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

## »» Power Connection

Parallel Operation with up to 6 units available for 5KVA model



PC



TV



Electric fan



FM Radio



Solar Power