

SMH Solar Inverter

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



PC



TV



Electric fan

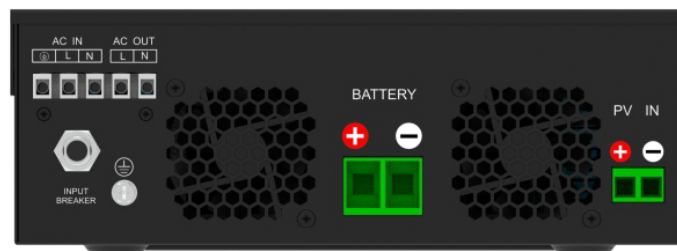


FM Radio

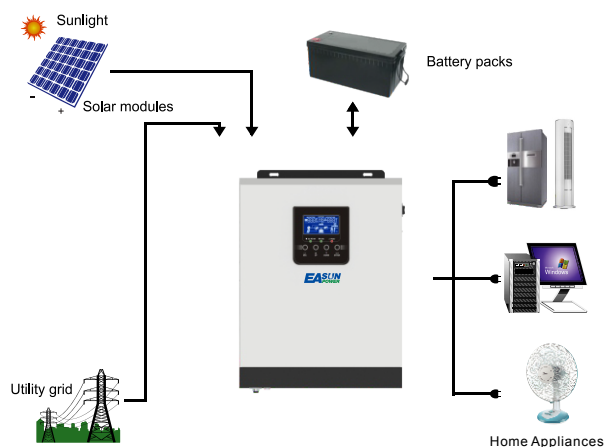


Solar Power

Overview



Introduction:



ISolar SMH Off-Grid Inverter

MODEL	Isolar SMH 3KW
Rated Power	3000VA/2400W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt.Mode)	230VAC±5%
Surge power	6000VA
Efficiency(Peak)	93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)
Wave form	Pure Sine Wave
BATTERY	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
Overcharge Protection	31VDC
SOLAR CHARGER	
Maximum PV Array Power	1000W
Maximum PV Array Open Circuit Voltage	102VDC
MPPT Range @ Operating Voltage	30-80VDC
Maximum Solar Charging Current	40A
Maximum AC Charging Current	20A or 30A
Maximum Charging Current (Utility Charging+Solar Charging)	70A
Standby Power Consumption	2W
Maximum Efficiency	98%
PHYSICAL	
Dimension.D*W*H(mm)	305*272*100
Net Weight (kgs)	5.2kg
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C