

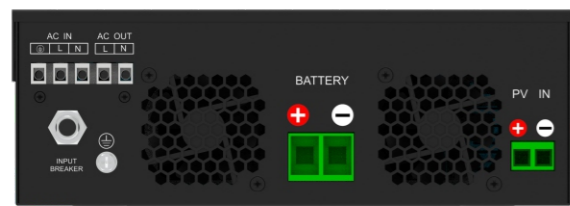
Off Grid Solar Inverter



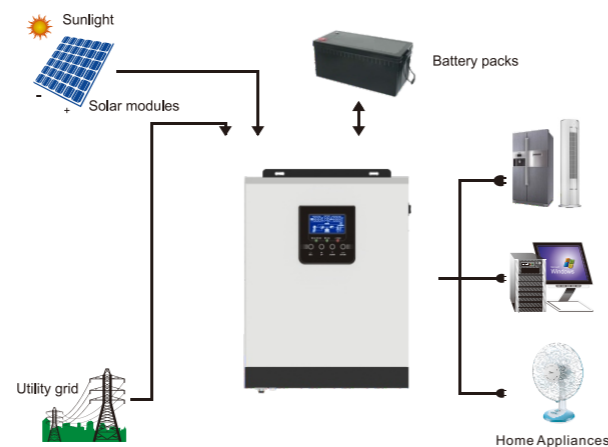
Features

- 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

Overview



Solar System Connection



Product Data Sheet

MODEL	HMS 1.5K-12	HMS 1.5K-24	HMS 3K-24
Rated Power	1500VA/1200W		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	2000VA		6000VA
Efficiency(Peak)	90%-93%		93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)		
Wave form	Pure Sine Wave		
BATTERY & AC CHARGER			
Battery Voltage	12VDC	24VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC
Overcharge Protection	15.5VDC	31VDC	31VDC
Maximum charge current	20A/30A	10A/20A	20A or 30A
SOLAR CHARGER			
Maximum Charging Current	40A	40A	40A
Maximum PV Array Open Circuit Voltage	102VDC	102VDC	102VDC
MPPT Range @ Operating Voltage	15-80VDC	30-80VDC	30-80VDC
Standby Power Consumption		2W	
Maximum PV Array Power	500W	1000W	1000W
Maximum Efficiency		98%	
PHYSICAL			
Dimension.D*W*H(mm)	305*300*110mm		305*272*100mm
Net Weight (kgs)	4.5kg		6.9kg
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0°C to 55°C		
Storage Temperature	-15°C to 60°C		

