

# HMS SERIES

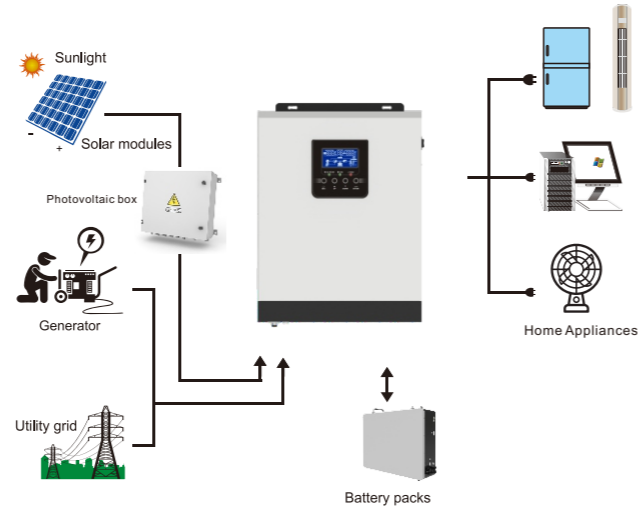
Off Grid Solar Inverter



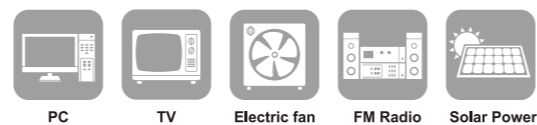
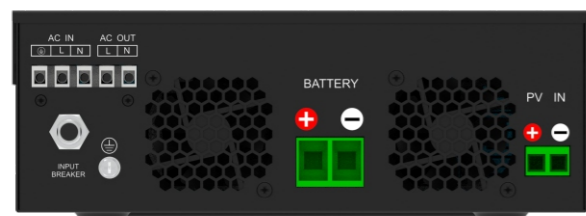
## »» Features

- 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

## »» Solar System Connection



## »» Overview



## »» Product Data Sheet

MODEL	HMS 1.5K-12	HMS 1.5K-24	HMS 3K-24	HMS 3K-48
Rated Power	1500VA/1200W	1500VA/1200W	3000VA/2400W	3000VA/3000W
<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	3000VA			6000VA
Efficiency(Peak)	90%-93%			93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)			
Wave form	Pure Sine Wave			
<b>BATTERY</b>				
Battery Voltage	12VDC	24VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	62VDC
<b>SOLAR CHARGER</b>				
Maximum PV Array Power	500W	1000W	1000W	2000W
Maximum PV Array Open Circuit Voltage	102VDC	102VDC	102VDC	102VDC
MPPT Range @ Operating Voltage	15-80VDC	30-80VDC	30-80VDC	55-80VDC
Maximum Solar Charging Current	40A	40A	40A	40A
Maximum AC Charging Current	10A/20A	20A/30A	20A or 30A	15A
Maximum Charging Current (Utility Charging+Solar Charging)	60A	70A	70A	55A
Standby Power Consumption	2W			
Maximum Efficiency	98%			
<b>PHYSICAL</b>				
Dimension.D*W*H(mm)	305*272*100mm			
Net Weight (kgs)	5.2kg			
<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			