



PC



TV



Electric fan



FM Radio



Solar Power



### »» 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



# HMS SERIES

离网太阳能逆变器 Off Grid Solar Inverter

HMS 1.5KVA/3KVA/5KVA

**SUMRY**

Sumry Tech Ltd.

## »» Product Data Sheet

MODEL	HMS 1.5K-12	HMS 1.5K-24	HMS 3K-24	HMS 3K-48	HMS 5K-48
Rated Power	1500VA/1200W	1500VA/1200W	3000VA/2400W	3000VA/3000W	5000VA/4000W
<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		10000VA
Efficiency(Peak)	90%-93%		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	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	62VDC	60VDC
<b>SOLAR CHARGER</b>					
Maximum PV Array Power	500W	1000W	1000W	2000W	3000W/4000W
Maximum PV Array Open Circuit Voltage	102VDC	102VDC	102VDC	102VDC	145VDC
MPPT Range @ Operating Voltage	15-80VDC	30-80VDC	30-80VDC	55-80VDC	60-115VDC
Maximum Solar Charging Current	40A	40A	40A	40A	60A/80A
Maximum AC Charging Current	10A/20A	20A/30A	20A or 30A	15A	10A/20A/30A/ 40A/50A/60A
Maximum Charging Current (Utility Charging+Solar Charging)	60A	70A	70A	55A	140A
Standby Power Consumption	2W				
Maximum Efficiency	98%				
<b>PHYSICAL</b>					
Dimension.D*W*H(mm)	305*272*100mm				540*295*140mm 468*295*136mm
Net Weight (kgs)	5.2kg				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				