



HMS SERIES

Off Grid Solar Inverter
HMS 3KVA

SUMRY

Product Data Sheet

MODEL	HMS 3K-24		
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*100mm		
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		

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