

# Maximum MMH Inverter

Inverter / Charger



- Pure sine wave inverter
- 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
- Cold start function
- Built-in advanced DSP-controlled MPPT solar charge controller

## Maximum MMH Inverter Selection Guide

Model	Maximum MMH 1K		Maximum MMH 2K		Maximum MMH 3K		Maximum MMH 4K	Maximum MMH 5K
Rated Power	1000VA/800 W		2000VA/1600 W		3000VA/2400 W		4000VA/3200 W	5000VA/4000 W
<b>INPUT</b>								
Voltage	230 VAC							
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)							
Frequency Range	50Hz/ 60 Hz (Auto sensing)							
<b>OUTPUT</b>								
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%							
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA			
Efficiency (Peak)	90%	93%						
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)							
Waveform	Pur sine wave							
<b>BATTERY &amp; AC CHARGER</b>								
Battery Voltage	24 VDC	48 VDC	24 VDC	48 VDC	24 VDC	48 VDC	48 VDC	
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	54 VDC	27 VDC	54 VDC	54 VDC	
Overcharge Protection	31 VDC	62 VDC	31 VDC	62 VDC	31 VDC	62 VDC	60 VDC	
Maximum Charge Current	10 A or 20 A	10 A or 15 A	20 A or 30 A	10 A or 15 A	20 A or 30 A	10 A or 15 A	20 A or 30 A	
<b>SOLAR CHARGER</b>								
Maximum PV Array Power	600 W	900 W	600 W	900 W	600 W	900 W	3000W	
MPPT Range @ Operating Voltage	30 V ~ 66 V	30 V ~ 88 V	30 V ~ 66 V	30 V ~ 88 V	30 V ~ 66 V	30 V ~ 88 V	60 V ~ 115 V	
Maximum PV Array Open Circuit Voltage	75 V	102 V	75 V	102 V	75 V	102 V	145 V	
Nominal Battery Voltage	24 V	48 V	24 V	48 V	24 V	48 V	48 V	
Maximum Charging Current	25 A	18 A	25 A	18 A	25 A	18 A	60 A	
Maximum Efficiency	98%							
Standby Power Consumption	2 W							
<b>PHYSICAL</b>								
Dimension, D x W x H (mm)	128 x 272 x 355						120 x 295 x 468	
Net Weight (kgs)	7.4	7.6	8.0	10.0				
<b>OPERATING ENVIRONMENT</b>								
Humidity	5% to 95% Relative Humidity (Non-condensing)							
Operating Temperature	0°C - 55°C							
Storage Temperature	-15°C - 60°C							

Product specification are subject to change without further notice

