

Grid Solar Hybrid Inverter



High Frequency Solar Inverter

Features:

1. Pure sine wave solar inverter
2. Output power factor 1
3. Selectable high power charging current
4. Wide DC input range
5. Selectable input voltage range for home appliances and personal computers
6. Configurable AC/Solar input priority via LCD setting
7. Compatible to AC mains or generator power
8. Auto restart while AC is recovering

Technical Specifications:

Model	HY1012M
Rated Power	1000VA/1000W
INPUT	
Voltage	230 VAC
Select-able Voltage Range	170-280VAC (For Personal Computers) 90-280VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Surge Power	2000VA
Efficiency (Peak)	90%-93%
Transfer Time	10ms(For Personal Computers), 20ms(For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	12 VDC
Floating Charge Voltage	13.5 VDC
Overcharge Protection	16 VDC
SOLAR CHARGER & AC CHARGER	
Solar charger type	MPPT
Max PV Array Power	500 W
MPP Range @operating Voltage	17 ~ 80 VDC
Max PV Array Open Circuit Voltage	102VDC
Max Solar Charge Current	40A
Max AC Charge Current	20A
Max Charge Current	60A
PHYSICAL	
Dimension, D x W x H (mm)	88 x 225 x 320
Net Weight (kgs)	4.4
Communication Interface	USB/RS232
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C