

Off Grid Solar Hybrid Inverter operate without Battery



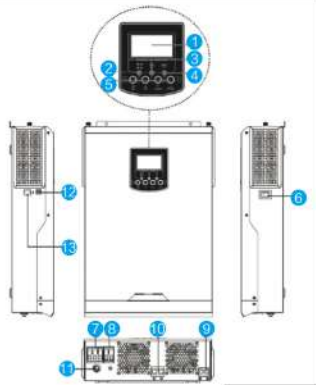
HY VMII Series

This is a multi functional inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support in portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Main Features:

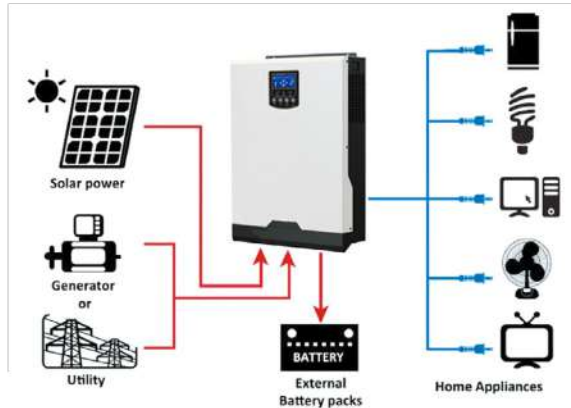
1. High efficiency pure sine wave inverter(PF=1);Wide PV input range (120V dc ~500V dc) 80A MPPT SCC;Intelligent 3 stage 60A AC battery charger.
2. Surges to 2X continuous power for 5 seconds for motor loads.
3. Intelligent functionality enables utility and solar input prioritization.
4. Wide utility input range (90V ac ~280Vac) for unreliable grid even in the most challenging environments.
5. Field serviceable with replacement boards and spare parts.
6. Monitor, troubleshoot, or communication with USB/RS 232.
7. System configures quickly into compact, wall-mounted system.
8. This series inverters can work without batteries when there is the sun.

Product Overview



- 1.LCD display
- 2.Status indicator
- 3.Charging indicator
- 4,Fault indicator
- 5.Function buttons
6. Power on/off switch
- 7.AC input
- 8.AC output
- 9.PV input
- 10.Battery input
- 11.Circuit breaker
- 12.USB communication port
- 13.RS-232 communication port

Solar System Connection



Back Panel



High Frequency Solar Inverter

Technical Specifications:

Model	HY3222VMII	HY5032VM II
RATED POWER	3200VA / 3200W	5000VA / 5000W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170~280 VAC (For Personal Computers) ; 90~280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%	
Surge Power	6000VA	10000VA
Efficiency (Peak)	90%~93%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	32 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Max. PV Array Open Circuit Voltage	500VDC	500VDC
Max. PV Array Power	4000 W	4000 W
MPP Range @operating Voltage	120~450VDC	120~450VDC
Max. Solar Charge Current	80 A	80 A
Max. AC Charge Current	60 A	60 A
Max. Charge Current	80 A	80 A
PHYSICAL		
Dimension, D x W x H (mm)	100 x 300x 440	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10° C to 50° C	
Storage Temperature	-15° C to 60° C	

Approximate Back-Up Time Table:

Model	Load (VA)	Backup Time @24Vdc 100Ah(min)	Backup Time @24Vdc 200Ah(min)
3.2KVA	300	359	880
	1500	54	131
	3000	22	54
Model	Load (VA)	Backup Time @48Vdc 100Ah(min)	Backup Time @48Vdc 200Ah(min)
5KVA	500	490	1030
	2500	72	172
	5000	32	72

Note: Product specifications are subject to change without further notice.