

GLORY ASOFGSI VM2

Off-Grid Inverter



- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Battery independent design
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dusk kit for harsh environment

Anti-Dust Kit

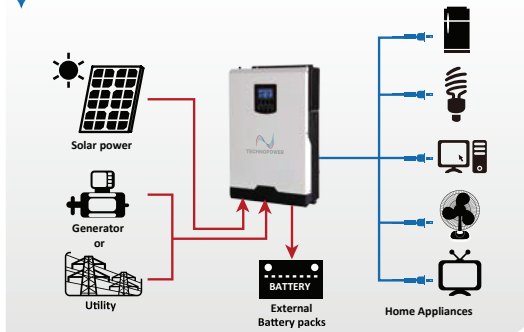
After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment.



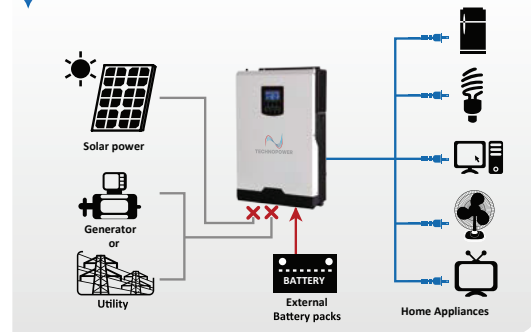
System Diagram:

Operation with battery connected

1 Solar Power and AC Power available

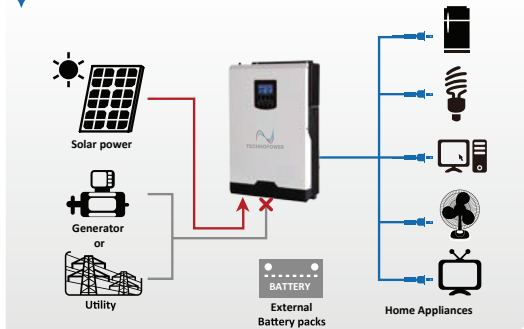


2 Solar Power and AC Power not available

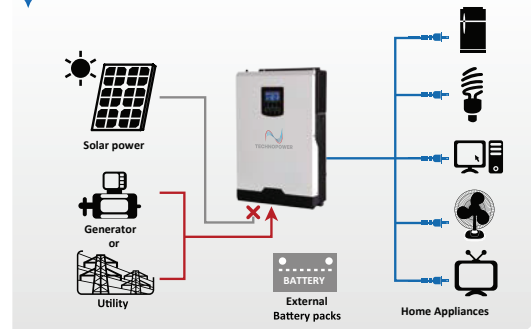


Operation without battery connected

3 Solar Power available



4 AC Power available



GLORY ASOFGSI VM2 Off-Grid Solar Inverter Specification

MODEL	GLORY ASOFGSI VM2 3000	GLORY ASOFGSI VM2 5000
Rated Power	3000VA / 3000W	5000VA / 5000W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	280-170 VAC (For Personal Computers) ; 280-90 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC \pm %5	
Surge Power	6000VA	10000VA
Efficiency (Peak)	%93 ~ %90	
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	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Array Power	4000 W	5000 W
MPP Range @ Operating Voltage	450~120 VDC	450~120 VDC
Maximum Solar Charge Current	100 A	100 A
Maximum AC Charge Current	100 A	100 A
Maximum Charge Current	100 A	100 A
PHYSICAL		
Dimension, D x W x H (mm)	100 x 300 x 440	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232	
ENVIRONMENT		
Humidity	%5 to %95 Relative Humidity (Non-condensing)	
Operating Temperature	°10-C to °50C	
Storage Temperature	°15-C to °60C	

Product specifications are subject to change without further notice.