

GLORY ASOFGSI VM1



- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Battery equalization for optimized battery performance and lifecycle
- Cold start function
- Optional anti-dust kit

GLORY ASOFGSI VM1 Off-Grid Solar Inverter Specification

MODEL	ASOFGSI - VP 1000-12	ASOFGSI - VM1 1000-12	ASOFGSI - VP 2000-24	ASOFGSI - VM1 2000-24	ASOFGSI - VP 3000-24	ASOFGSI - VM1 3000-24	ASOFGSI - VM1 3000-24 Plus	ASOFGSI - VP 5000-48	ASOFGSI - VM1 5000-48	ASOFGSI - AM 5000-48	
Rated Power	1000VA/1000W		2000VA/2000W		3000VA / 3000W			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)	230VAC ± 5%										
Surge Power	2000VA		4000VA		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	12 VDC		24 VDC				48 VDC				
Floating Charge Voltage	13.5 VDC		27 VDC				54 VDC				
Overcharge Protection	16 VDC		31 VDC		33 VDC			63 VDC			
SOLAR CHARGER & AC CHARGER											
Solar Charger type	PWM	MPPT	PWM	MPPT	PWM	MPPT		PWM	MPPT	MPPT	
Maximum PV Array Open Circuit Voltage	55 VDC	102 VDC	80 VDC	102 VDC	80 VDC	102 VDC	145 VDC	105 VDC	145 VDC	145 VDC	
Maximum PV Array Power	600 W	500 W	1200 W	1000 W	1200 W	1000 W	1500 W	2400 W	3000 W	3000W	
MPP Range @ Operating Voltage	N/A	17 ~ 80 VDC	N/A	30 ~ 80 VDC	N/A	30~80 VDC	30~115 VDC	N/A	60 ~ 115 VDC	60 ~ 115 VDC	
Maximum Solar Charge Current	50 A	40 A	50 A	40 A	50 A	40 A	60 A	50 A	60 A	60 A	
Maximum AC Charge Current	20 A	20 A	20 A	25 A	25A	25A	60 A	60 A	60 A	60 A	
Maximum Charge Current	50 A	60 A	50 A	60 A	70 A	60 A	120 A	110 A	120 A	120 A	
PHYSICAL											
Dimension, D x W x H (mm)	88 x 225 x 320				100 x 285 x 334			100 x 300 x 440	100 x 300 x 440		113 x 300 x 361
Net Weight (kgs)	4.4	4.4	5	5	6.3	6.5	9.5	8.5	9.7	9.3	
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										

Product specifications are subject to change without further notice.