

1500VA / 2500W

OFF-GRID SOLAR INVERTER



Solar Inverter

Energy
Independence

Continuous
Power Supply

Flexible
Installation

FEATURES

- Rated power 1.2kW, power factor 1.
- MPPT ranges 20V~100V, 125Voc.
- High frequency inverter with small size and light weight.
- Pure sine wave AC output.
- Solar and utility grid can power loads at the same time.
- With RS485 for BMS communication.
- Configurable AGM FLD LIB battery types via LCD setting.

Model	GYSM-1.5KW-12V	GYSM-1.5KW-24V	GYSM-2.5KW
Capacity	1500VA/1500W	1500VA/1500W	2500VA/2500W
Parallel Capability	No		
Lithium Battery activation	YES(By PV only)		
Lithium Battery Communication	NO	YES(RS485)	YES(RS485)
Input			
Nominal Voltage	230 Vac		
Acceptable Voltage Range	170 – 280 Vac (For Personal Computer); 90 – 280 Vac (For Home Appliances)		
Frequency	50/60 Hz (Auto Sensing)		
Output			
Nominal Voltage	220Vac / 230Vac ±5%		
Surge Power	3000VA	3000VA	5000VA
Frequency	50/60 Hz		
Waveform	Pure Sine Wave		
Transfer Time	10ms (For Personal Computers), 20ms (For Home Appliances)		
Peak Efficiency(PV to INV)	96%		
Peak Efficiency(BAT to INV)	93%		
Overload Protection	5s @>= 140% Load; 10s @100% ~ 140% Load		
Crest Factor	3 : 1		
Admissible Power Factor	0.6 ~ 1 (inductive or capacitive)		
Battery			
Battery Voltage	12VDC	24VDC	24VDC
Floating charge Voltage	13.5VDC	27VDC	27VDC
Overcharge Protection	16.5VDC	33VDC	33VDC
Charging Method	CC/CV	CC/CV	CC/CV
Solar Charge & AC Charge			
Solar Charger Type	MPPT	MPPT	MPPT
Max.PV Array Power	2000W	2000W	3000W
Max.PV Array Open Circuit Voltage	500VDC	500VDC	500VDC
PV Array MPPT Voltage Range	30VDC~500VDC	60VDC~500VDC	60VDC~500VDC
Max.Solar Input Current	15A	15A	15A
Max.Solar Charge Current	100A	60A	100A
Max.AC Charge Current	60A	60A	60A
Max.Charge Current(PV+AC)	100A	60A	100A
Physical			
Dimensions, D x W x H(mm)	330*278*98	358*295*100	358*295*100
Package Dimensions, D x W x H(mm)	400*365*174	465*380*175	465*380*175
Net Weight(kg)	3.8	6	6.5
Communication interface	RJ45 OR WIFI	RS232/RS485	RS232/RS485
Environment			
Operating Temperature Range	- 10 °C to 50 °C		
Storage Temperature	- 15 °C to 50 °C		
Humidity	5% to 95% Relative Humidity (Non-condensing)		

Product specifications are subject to change without further notice.