



OFF-GRID SOLAR INVERTER

1500W ~ 2500W



FEATURES

- ◆ Lithium battery activation function.
- ◆ Compatible work with lifepo4 battery via RS485 (Except 12V models) .
- ◆ Pure sine wave; Power factor 1.0.
- ◆ PV Input Voltage 500Vdc Max; Built-in MPPT 60A/100A/120A.
- ◆ Capable to work without battery (Except 12V models) .
- ◆ Detachable dust cover for harsh environment.
- ◆ WiFi remote monitoring optional.
- ◆ Support multiple output priority: UTL,SOL,SBU, SUB.
- ◆ EQ function to optimize battery performance and extend lifecycle.

Technical Data

MODEL	GSM-1.5KW-12V	GSM-1.5KW-24V	GSM-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)	
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	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		
Solar Charge & AC Charge			
Solar Charger Type	MPPT		
Max.PV Array Power	2000W	2000W	3000W
Max.PV Array Open Circuit Voltage	500VDC		
PV Array MPPT Voltage Range	30VDC~500VDC	60VDC~500VDC	60VDC~500VDC
Max.Solar Input Current	15A		
Max.Solar Charge Current	100A	60A	100A
Max.AC Charge Current	60A		
Max.Charge Current(PV+AC)	100A	60A	100A
Physical			
Dimensions,DxWxH(mm)	330*278*98	358*295*100	
Package Dimensions,D xWx H(mm)	400*365*174	465*380*175	
Net Weight(Kg)	3.8	6	6.5
Communication interface	RJ45 OR WIFI	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.