



8500VA ~ 11000W

OFF-GRID SOLAR INVERTER



Energy
Independence



Continuous
Power Supply



Flexible
Installation

FEATURES

- Dual AC output; Built-in 2 MPPT; Parallel max up to 6 units.
- Lithium battery activation function by PV or Utility.
- Compatible work with LiFePO4 battery via Rs485.
- Pure Sine Wave; Power factor 1.0.
- PV Input 500Vdc Max; Built-in MPPT 140A/160A.
- Capable to work without battery.
- 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.

Model	GYSMP-8.5KW		GYSMP-11KW	
Capacity	8.5KVA/8.5KW		11KVA/11KW	
Maximum PV input Power	10KW		11KW	
Twin AC Output Function	YES		YES	
Maximum Main Output Power	8.5KVA/8.5KW		11KVA/11KW	
Maximum Second Output Power	5KVA/5KW		5KVA/5KW	
Maximum Total Output Power	8.5KVA/8.5KW		11KVA/11KW	
Parallel Capability	YES, 6 Units		YES, 6 Units	
Lithium Battery Communication	Yes (Rs485)		Yes (Rs485)	
Lithium Battery Activation	Yes,(By PV or Utility)		Yes,(By PV or Utility)	
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 / 240Vac			
Surge Power	17000VA		22000VA	
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)			
Grid-tie Operation	NO			
Battery				
Battery Voltage	48VDC			
Maximum Discharge Current	180A		220A	
Floating charge Voltage	54VDC			
Overcharge Protection	63VDC			
Charging Method	CC / CV			
Solar Charge & AC Charge				
Solar Charger Type	MPPT			
Max.PV Array Power	5000W*2			
Max.PV Array Open Circuit Voltage	500VDC			
PV Array MPPT Voltage Range	60VDC~500VDC			
Max.Solar Input Current	18A*2			
Max.Solar Charge Current	140A		160A	
Max.AC Charge Current	120A		120A	
Max.Charge Current(PV+AC)	140A		160A	
Physical				
Dimensions,D*W*H(mm)	540*415*122		540*415*122	
Net Weight(Kgs)	14.5		15.5	
Communication interface	RS232/RS485/Dry-contact			
LCD	YES			
ENVIRONMENT				
Operating Temperature Range	- 10 °C to 50 °C - 15 °C to 50 °C			
Storage Temperature	5% to 95% Relative Humidity (Non-condensing)			
Humidity				

Product specifications are subject to change without further notice.