



OFF-GRID SOLAR INVERTER

8500W ~ 11000W

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.

Technical Data

MODEL	GSMP-8.5KW	GSMP-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,DxWxH(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	
Storage Temperature	-15 °C to 50 °C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	

Product specifications are subject to change without further notice.