

# OFF-GRID SOLAR INVERTER

**6200VA / 6200W**



## FEATURES

- ◆ Compatible work with lifepo4 battery.
- ◆ Parallel operation up to 12 units in 1 phase or 3 phase.
- ◆ Direct Plug WIFI Dongle Supported-No additional cables required, just plug and play.
- ◆ Pure sine wave; Power factor 1.0.
- ◆ PV input 500Vdc Max; Built-in MPPT 120A.
- ◆ 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

|                                     |   |
|-------------------------------------|---|
| <b>MODEL</b>                        | GSMP-6.2KW  |
| Capacity                            | 6200VA/6200W  |
| Parallel Capability                 | YES, 12 Units   |
| Lithium Battery activation          | YES ( By PV or Utility )  |
| Lithium Battery Communication       | Yes ( RS485 )   |
| <b>Input</b>                        |   |
| 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 )   |
| <b>Output</b>                       |   |
| Nominal Voltage                     | 220Vac / 230Vac ±5%   |
| Surge Power                         | 12400VA   |
| Frequency                           | 50/60 Hz  |
| Waveform                            | Pure Sine Wave  |
| Transfer Time                       | 10ms (For Personal Computers), 20ms ( For Home Appliances )                   |
| Peak Efficiency                     | 94%   |
| Overload Protection                 | 5s @>= 140% Load; 10s @100% ~ 140% Load                                       |
| Crest Factor                        | 3:1   |
| Admissible Power Factor             | 0.6 ~ 1 ( inductive or capacitive )   |
| <b>Battery</b>                      |   |
| Battery Voltage                     | 48VDC   |
| Floating charge Voltage             | 54VDC   |
| Overcharge Protection               | 63VDC   |
| Charging Method                     | CC / CV   |
| <b>Solar Charge &amp; AC Charge</b> |   |
| Solar Charger Type                  | MPPT  |
| Max.PV Array Power                  | 6500W   |
| Max.PV Array Open Circuit Voltage   | 500VDC  |
| PV Array MPPT Voltage Range         | 60VDC-500VDC  |
| Max.Solar Input Current             | 27A   |
| Max.Solar Charge Current            | 120A  |
| Max.AC Charge Current               | 80A   |
| Max.Charge Current                  | 120A  |
| <b>Physical</b>                     |   |
| Dimensions,DxWxH(mm)                | 450*300*130   |
| Package Dimensions,D xWx H(mm)      | 540*390*210   |
| Net Weight(Kg)                      | 12  |
| Communication interface             | RS232/RS485   |
| <b>ENVIRONMENT</b>                  |   |
| 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.