



## OFF-GRID ENERGY STORAGE INVERTER GSR MAXISOL Series

### Salient Features

- Pure sine wave MPPT solar inverter
- High PV input voltage range
- Built-in 100A MPPT solar charger
- With Touch Buttons
- Built-in anti-dusk kit for harsh environment
- Support lithium iron battery
- Battery equalization function to optimize battery performance and extend lifecycle
- Reserved communication poer ( RS485, CAN-BUS or RS 232 ) for BMS Optional
- Nominal Voltage : 230 VAC
- Frequency Range : 50Hz/60Hz



Battery  
Optional



1kW=1kVA



Bluetooth



Discharge current  
limit protection



Impact  
protection



Over temperature  
protection



Low Voltage  
protection



Overload  
protection



Short circuit  
protection



Overcurrent  
protection



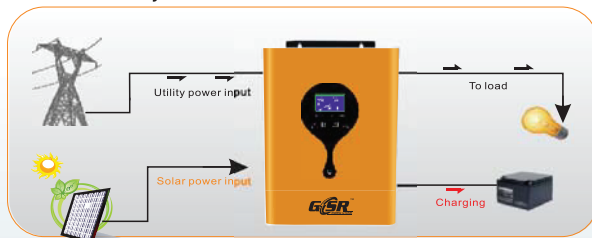
High voltage  
protection

### AVAILABLE RANGE

3.5-5.5 KW

### HYBRID OPERATION

With battery connected



Without battery connected



## TECHNICAL SPECIFICATION

MODEL	GSR MAXISOL 3500-24	GSR MAXISOL 5500-48
Rated Power	3500VA / 3500W	5500VA / 5500W
<b>INPUT</b>		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%	
Surge Power	7000VA	11000VA
Efficiency (Peak)	up to 93.5%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Array Power	4500 W	5500 W
MPPT Range @ Operating Voltage	120~450 VDC	120~450 VDC
Maximum Solar Charge Current	100 A	100 A
Maximum AC Charge Current	80 A	80 A
Maximum Charge Current	100 A	100 A
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	400*300*115	400*300*115
Net Weight (kgs)	8.5	»
Communication Interface	USB/RS232	
<b>ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	