

# SOLAR STORAGE INVERTER

## GSMP 3K-US



### Application Scenario



### Product Feature

- Adopt DSP full digital control mode
- High precision MPPT controller.
- The battery has a balanced charging mode
- Battery can use PV maximum to input voltage 500Vdc or not use.
- Both are configured the grid and PV prioritize.
- Monitoring system WIFI/GPRS option
- Support 6 machines in parallel, constitute three-phase four-wire power generation system.
- If the photovoltaic power is insufficient, the photovoltaic can be combined with the power grid and battery to supply the load
- Economic model can be used to charge and discharge the inverter.
- Power grid and oil machine can be freely selected.

## Technical Data

Datasheet	GSMP 3K-US
<b>Battery Input/ Output Data</b>	
Battery Voltage	24VDC
Hybrid Charging Maximum Charging Current	80A
Battery Type	Lithium/Lead-acid
<b>Solar Input Data</b>	
Maximum PV Input Power	455 0W
MPPT Range @ Operating Voltage	120VDC -450VDC
Maximum PV Input Current	25 A
Number of Independent MPP Trackers/ Strings Per MPP Tracker	1/1
Maximum PV Open-circuit Voltage	500VDC
Maximum Solar Charge Current	80A
<b>AC Output Data</b>	
Rated Power	3600VA/3000W
Parallel Capabilitey	.NO
AC Voltage Regulation	US(120VAC ± 5% @ 50/60Hz)
Surge Power	6000VA
Efficiency (Peak)	93%
Waveform	Pure sine wave
Transfer Time	10ms typical, 20ms Max
<b>AC Charger Data</b>	
Charge Current	60A
AC Input Voltage	US(120 VAC)
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
<b>PHYSICAL Data</b>	
Protection Degree	IP20
Dimension (L/W/D)	460(L)x285(W)x113(D)mm
Packaging Dimension (L/W/D)	590 (L)x365(W)x200(D)mm
Net Weight	8KG
<b>OPERATING ENVIRONMENT Data</b>	
Certificate	US(UL1741/FCC)
Humidity	5% to 95% Relative Humidity(Non-condensing)
EMC Certification Level (EMC)	US(FCC)
Altitude	<2000m
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C