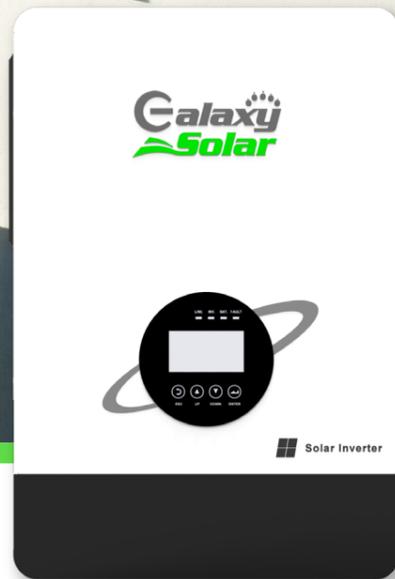


SOLAR STORAGE INVERTER

GSMP 8K-US

GSMP 10K-US



Application Scenario



House



Farm



Telecom



Countryside



Island



Pasture

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 8K-US	GSMP 10K-US
Battery Input/ Output Data		
Battery Voltage	48VDC	
Hybrid Charging Maximum Charging Curren	8K(180A)	10K(200A)
Battery Type	Lithium/Lead-acid	
Solar Input Data		
Maximum PV Input Power	2*7700W	
MPPT Range @ Operating Voltage	120VDC -450VDC	
Maximum PV Input Current	22A*2	
Number of Independent MPP Trackers/ Strings Per MPP Tracker	2/2	
Maximum PV Open-circuit Voltage	500VDC	
Maximum Solar Charge Current	8K(160A)	10K(200A)
AC Output Data		
Rated Power	8K(8000VA/ 8000W)	10K(10000VA/10000W)
Parallel Capability	Yes, 6 units maximum	
AC Voltage Regulation	8K/10K US (120/240 VAC±5% @ 50/60Hz)	
Surge Power	8K(16000VA)	10K(20000VA)
Efficiency (Peak)	93%	
Waveform	Pure sine wave	
Transfer Time	10ms typical, 20ms Max	
AC Charger Data		
Charge Current	8K(100A)	10K(120A)
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)	
PHYSICAL Data		
Protection Degree	IP20	
Dimension (L/W/D)	645(L)x450(W)x133(D)mm	
Packaging Dimension (L/W/D)	802(L)x567(W)x240(D)mm	
Net Weight	28KG	
OPERATING ENVIRONMENT Data		
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	