

PGS Series 6KW + 10KWH Home Energy Storage System All in one

PGS Series 6KW + 10KWH

Key Features:



- Elegant and stylish, floor installation.
- Wide range of selectable mains input voltage.
- Built in lithium battery with extremely long life 8000 cycles.
- Long lifespan: 10+ years life design.
- Supports RS485 / CAN / SNMP / Wifi / Bluetooth monitoring function.
- Hybrid inverter, with built-in batteries and MPPT solar controller.
- Selectable priority between solar, batteries or mains to feed the output.
- Protection for over-discharge, overload, over-temperature, short-circuit protection etc.
- Stacked design facilitates inverter maintenance and battery capacity expansion.

Shenzhen UPSen Electronic CO., Ltd.

Technical Specification:

Model	PGS 6KW+10KWH	
Rated Capacity	6000W + Battery 10.24KWH	
AC Input		
Rated Input Voltage	208 / 220 / 230 / 240 VAC	
Input Voltage Range	170-264VAC(For UPS Mode); 90-280VAC(For Home Appliances)	
Frequency Range	40 - 70 Hz(Auto Sensing)	
AC Charging Current Range	2 ~ 120A	
Max.Input Current	27A	
PV Input		
Solar Charging Type	MPPT	
PV Max.Input Power	9000W	
MPPT Tracking Voltage Range	60 ~ 450VDC	
Max.PV Input Voltage	500VDC	
PV Charging Current Range	2~100A	
Max.Charging Current	120A	
Output		
Rated Output Power	6KW	
Rated Outout Voltage	(220V - 240V) ± 5%	
Output Frequency	50 / 60Hz ± 0.1%	
Peak Power	12000W	
Oyerload Capacity (Battery Mode)	1min@102%~110% Load 3s@130%~150%Load	10s@110%~130% Load 200ms@>150% Load
Peak Efficiency	>94% Battery Mode;	>99% Line Mode
Transfer Time	10ms	
Dual Output Function	Yes	
Max.Main Output Power	6000VA / 6000W	
Max.Second Output Power	6000VA / 6000W(Needs to be set)	
Battery		
Cell Technology	LiFePO4	
Battery Energy	10.24KWH	
Battery Voltage	51.2VDC	
Fully Charging Voltage (FC)	58.4VDC	
Fully Discharging Voltage (FC)	41.6VDC	
DOD	80%	
Product General Data		
Designed Life-span Cycle	8000	
Display	LCD & LED	
Communication Interface	RS485,CAN(Standard); RS232(Optional); SNMP/Wifi/Bluetooth(Optional)	
Parallel Interface	RS485 & CAN	
Operation Environment Temperature	0~40℃	
Storage Environment Temperature	-15~60℃	
Environment Humidity	20%~95%	
Operation Alitude	<3000m	
Cooling Mode	Active Cooling	
Noise Emission	<50db	
Physical		
Product Dimensions(mm)W*D*H	500*361*1044	
Product Weight(kg)	115	
Note : Product Specification are Subject to Change Without Further Notice.		

Product Diagram :

