

PGS Series 3KW - 5KW

Home Energy Storage System All in one

PGS Series 3KW - 5KW



Key Features:

- Elegant and stylish, floor installation.
- Wide range of selectable mains input voltage.
- Supports RS485/CAN/SNMP/Wifi/Bluetooth monitoring function.
- Built in lithium battery with extremely long life 6000 cycles.
- 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.



Industrial



Commercial



Residential



Agriculture

Shenzhen UPSEN Electronic CO., Ltd.

Technical Specification:

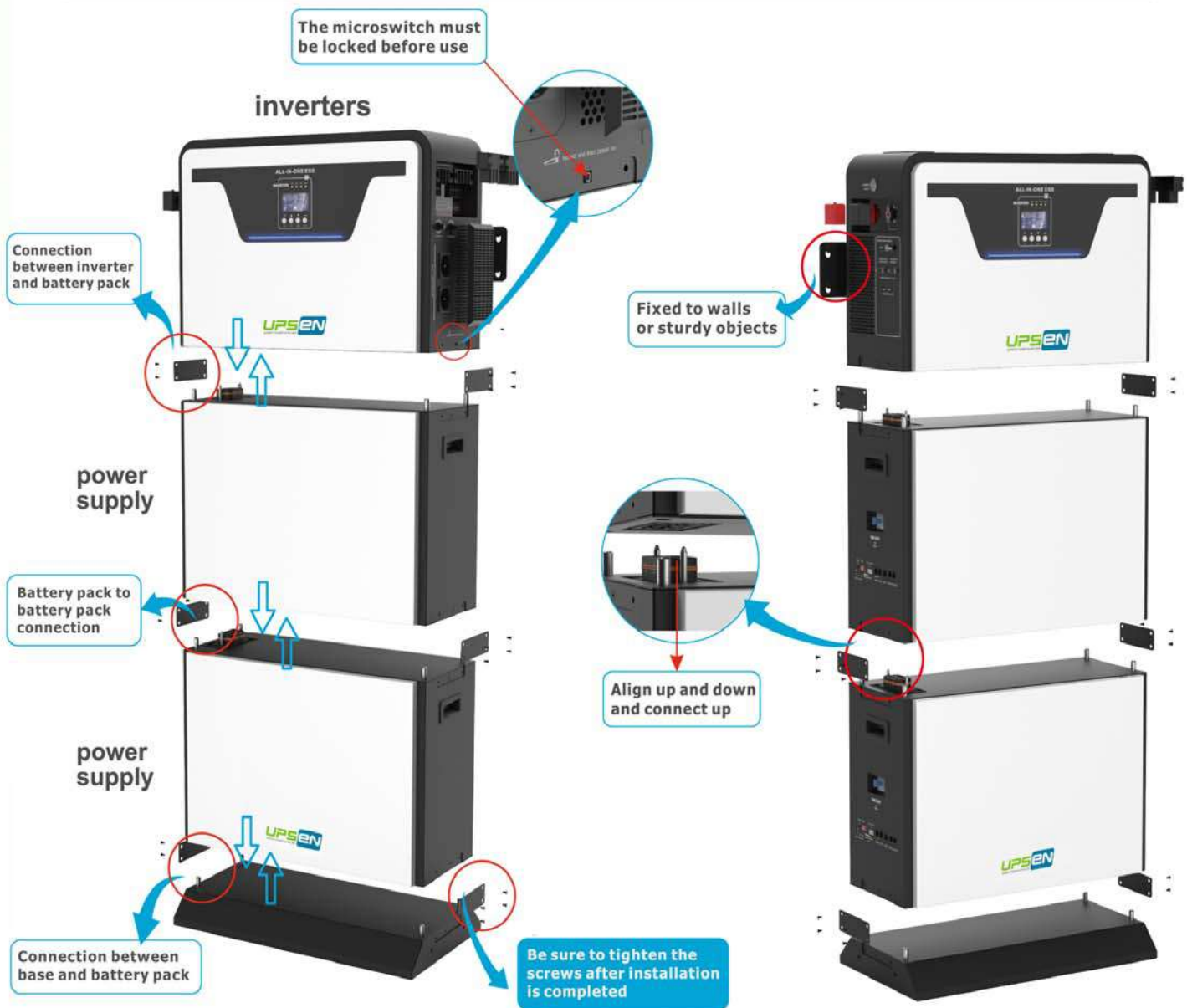
Model	PGS 3+5	PGS 5+5	PGS 5+10	PGS 5+15
AC Input				
Rated Input Voltage	208/220/230/240 VAC			
Input Voltage Range	170-280VAC(For PC); 90-280VAC(For Home Appliances)			
Frequency Range	50/60Hz(Auto Sensing)			
AC Charging Current Range	100A	80A		
Max.Input Current	130A	90A		
PV Input				
Solar Charging Type	MPPT			
PV Max.Input Power	4KW	5.5KW		
MPPT Tracking Voltage Range	120-430 VDC			
Max.PV Input Voltage	450 VDC			
PV Charging Current Range	100A	0~80A		
Max.Charging Current	100A	80A		
Output				
Rated Output Power	3KW	5KW		
Rated Outout Voltage	(220V-240V)±5%			
Output Frequency	50/60Hz±0.1%			
Max.Output Current	22.7A			
Pegk Powei	6000W	10000W		
Oyerload Capacity (Battery Mode)	1min@102%~110%Load; 10s@110%~130%Load; 3s@130%~150%Load; 200ms@>150%Load			
Peak Efficiency	>94%battery mode >99%line mode			
Transfer Time	10ms			
Battery				
Battery Voltage	24VDC	48VDC		
Battery Energy	5.12kWh		10.24kWh	15.36kWh
Cell technology	LiFePO4			
DOD	80%			
Product General Data				
Designed Life-span cycle	6000			
Communication Interface	RS232, RS485, CAN(Standard), SNMP / Wifi / Bluetooth(Optional)			
Display	LCD & LED			
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*H*D	566.2*820*303		566.2*1200*303	533.2*1580*303
Product Weight(kg)	68	68	118	168
Note : Product Specification are Subject to Change Without Further Notice.				

LCD Display:

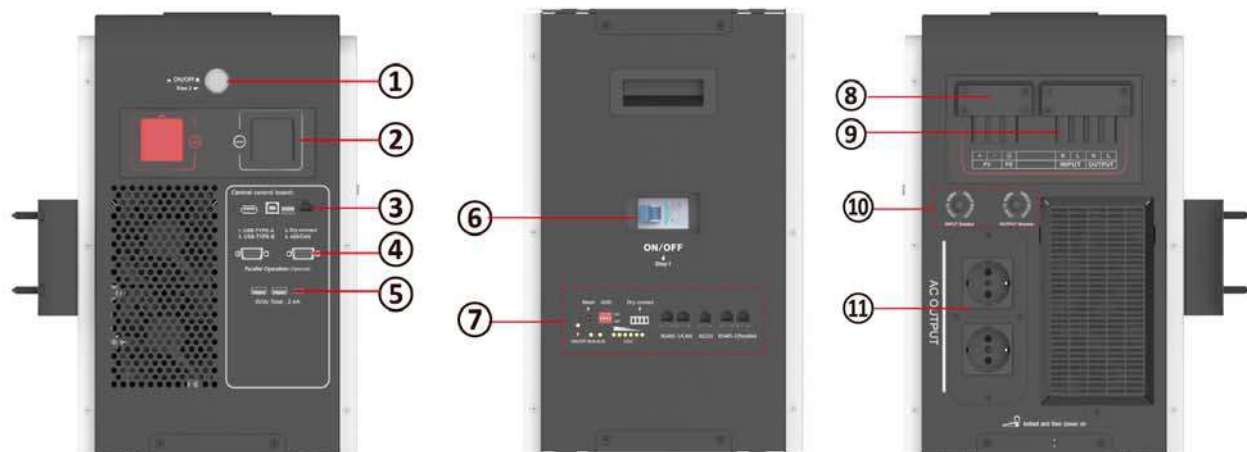


1. Line Indicator
2. INV Indicator
3. Battery Indicator
4. Fault Indicator
5. LCD Display
6. Function Buttons

Installation:



Product Overview:



1. ON/OFF
2. Parallel series connection of positive and negative poles
3. Central control board
4. Parallel Operation

5. 5V DC output
6. Battery switch
7. BMS working status & communication
8. PV input terminal

9. Mains power input terminal/output terminal
10. Output Breaker/ Input Breaker
11. Mains power output socket