

Residential ESS

5KW Inverter Integrated with 5KWH
LiFePO4 All-in-one Model



Product Features:



Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Scalable



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



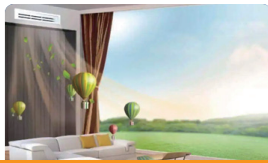
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

Model	PNG-E51100-LV	PNG-E51200-LV
Battery Specification		
Nominal Energy	51.2V 100Ah	51.2V 200Ah
Output Voltage Range	43.2-58.4V	
Charge Voltage Range	51.2-58.4V	
Discharge Cut-off Voltage	43.2V	
Max. Charge/ Discharge Current	1C, 100A	1C, 200A
Recommend Charge Current (Continuous)	0.5C, 50A	0.5C, 100A
Cycle life	≥6000cycles	
PV Specification		
Max. Input Power	5500W	
Input Voltage Range	120-500VDC	
AC Specification		
Rated Power	5000W	
Rated Output Voltage	220/230/240Vac±5% (L+N+PE)	
Rated Input Voltage	90-280Vac (normal mode)	170-280Vac (UPS mode)
Rated Frequency	50/60Hz	
Wave	Pure Sine Wave	
All-in-one Specification		
Net Weight	57kgs	100kgs
Net Dimension (L*W*H)	480*160*850mm	540*160*1100mm
G.W	78kgs	128kgs
Dimension after Packaging	550*370*950mm	720*370*1270mm
Operating Temperature	Charge: 0°C~+55°C. Discharge: -20°C~+55°C. Storage:10°C~+45°C	
Indicator	Running/Alarm/SOC	
Communication	RS485/CAN/WIFI	
Installation	Wall-Mounted	
Certifications	MSDS/UN38.3/IEC/CE etc.	
Scalability	Up to 9pcs connected in parallel	

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1.Charging Management

a. Pls use the lithium battery charger. b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
b. Please avoid constant discharging with high-current (>1C), in case of over-heat.

3. Cautions

a. It's forbidden to disassemble, puncture or crash the battery. b. It's forbidden to immerse the battery into the water or expose to the fire.
c. It's forbidden to mix using the old and new batteries or different brands of batteries.

