

Residential ESS

LiFePO4 Lithium Battery Pack
Portable Model



Product Features:



Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Up to 15pcs to connect in parallel



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-E51280-LV
Nominal Voltage	51.2V
Nominal Capacity	280Ah
Nominal Energy	14.34kWh
Output Voltage Range	43.2-58.4V
Charge Voltage Range	51.2-58.4V
Discharge Cut-off Voltage	43.2V
Max. Charge/ Discharge Current	200A
Recommend Charge Current (Continuous)	70A
Scalability	Up to 15pcs connected in parallel
Depth of Discharge (DOD)	90%/25°C/0.5C, SOC≥80%
Display Type	LCD Screen
Protection Level	IP54(Indoor)
Working Temperature Range	Charge: 0°C~+55°C. Discharge: -20°C~+55°C
Storage Temperature Range	-10°C~+30°C
Humidity	5%~95% RH
Cycle Life	≥8000cycles
Protection	Built-in smart BMS, Breaker, Fuse
Communication Port	CAN / RS485
Warranty	5years
Installation	Wall-Mounted
Cooling Mode	Air-cooling
Dimension(L*W*H)	550*270*728mm
Weight	120kgs

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 consistent 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.

