



EP-48100 (51.2V100Ah)

lithium iron phosphate (LiFePO4) battery



Technical Datas

Nominal Characteristics	
Battery Model	EP-48100
Nominal Voltage	51.2 V
Nominal Capacity	100 Ah
Nominal Energy	5120 Wh
Electrical Characteristics	
Recommended Charging Voltage	57.6 ± 0.5 V
Recommended Charging Current	30 A
Maximum Discharging Current	100 A
Operating Conditions	
Cycle Life	≥6000 Cycles@80% DOD@25°C
Round-trip Efficiency	≥98%
Operating Charge Temperature	0°C to +50°C
Operating Discharge Temperature	-20°C to +60°C
Storage Temperature	-20°C to +60°C
Mechanical Characteristics	
Length x Width x Height	483 x 480 x 155 mm
Weight	45.5 Kg
Terminal	M6
IP Rating	IP20

**Your best power choice for
Solar energy storage system!**

Why EverExceed lithium batteries?



Safer:

- Adopt Grade A LiFePO4 cells from TOP5 manufacturer in the world;
- Excellent deep cycle ability: ≥6000 cycles;
- 15+ years design life, 5years warranty;
- CE, RoHs, IEC62619, UN38.3, etc;
- Built-in independent physical aerosol fire extinguishers, safe and green;



Smarter:

- Built-in smart BMS with intelligent automatic protection for overcharge, over discharge, over current, short-circuit and over temperature etc.
- High compatibility with most brands of inverter as a system;
- Versatile communication protocol available (RS232, RS485, CAN);



Simpler:

- Space-saving 19-inch standard rack mount design;
- Modular design, easy to install;
- Supports max 15 sets in parallel to expand capacity;

EverExceed is a global leading provider of energy storage system with 20+ years battery manufacturing experience; We can offer **Safer, Smarter, Simpler** battery energy storage system (lithium battery/lead acid battery) and solar systems. We have self-factory with advanced production lines to manufacture batteries and assemble all in one energy storage systems for residential and commercial energy storage solutions.

How to work:

1. Saving bill with PV

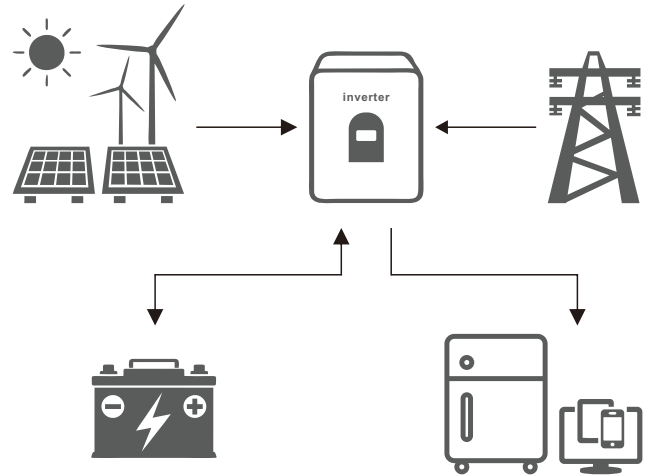
In the daytime, the PV will power to the load and store the excess power in the batteries. In the evening, use the power from the batteries to power the load.

2. Ensure uninterrupted power supply

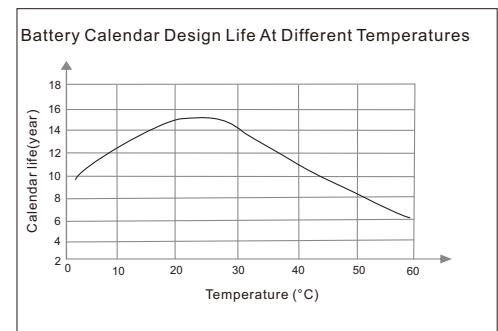
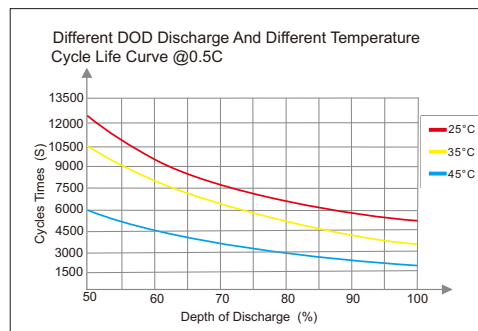
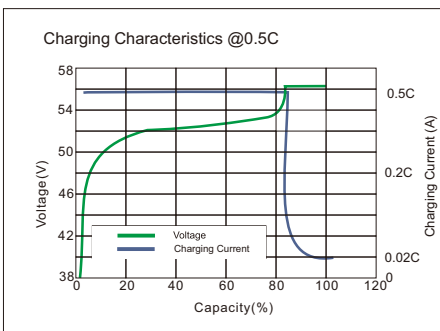
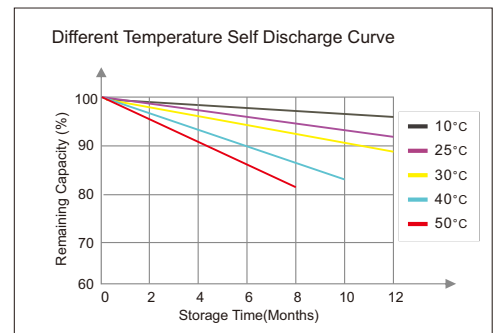
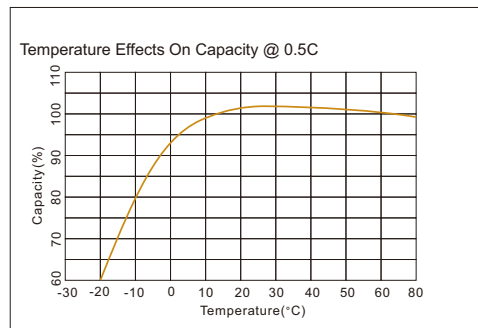
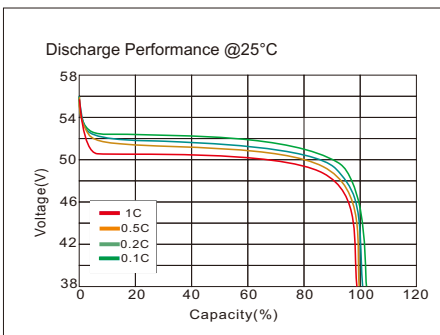
When there is no PV and the grid power failure, lithium battery will take the load, to ensure uninterrupted power supply as power system.

3. Peak-to-valley spread arbitrage

Storing capacity on batteries when tariffs low using battery capacity when tariffs peak
Save on peak rate costs



Performance curve



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the Energy you Expect forever.

www.everexceed.com



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