



Product Introduce

Stackable Lithium Battery Pack For Solar Energy Storage System:

Our Floor-mounted LiFePO4 battery cabinet was specially developed for home solar energy storage system.

The battery used the lightest cell and can be mounted on the floor with cabinet.

48V(51.2V) LiFePO4 Battery Cabinet supply the enough power to the home applications , and our battery meet the standard of most inverter and MPPT controller.

* Protection of the cell against over-voltages by reducing the charging current or by stopping the charging process.

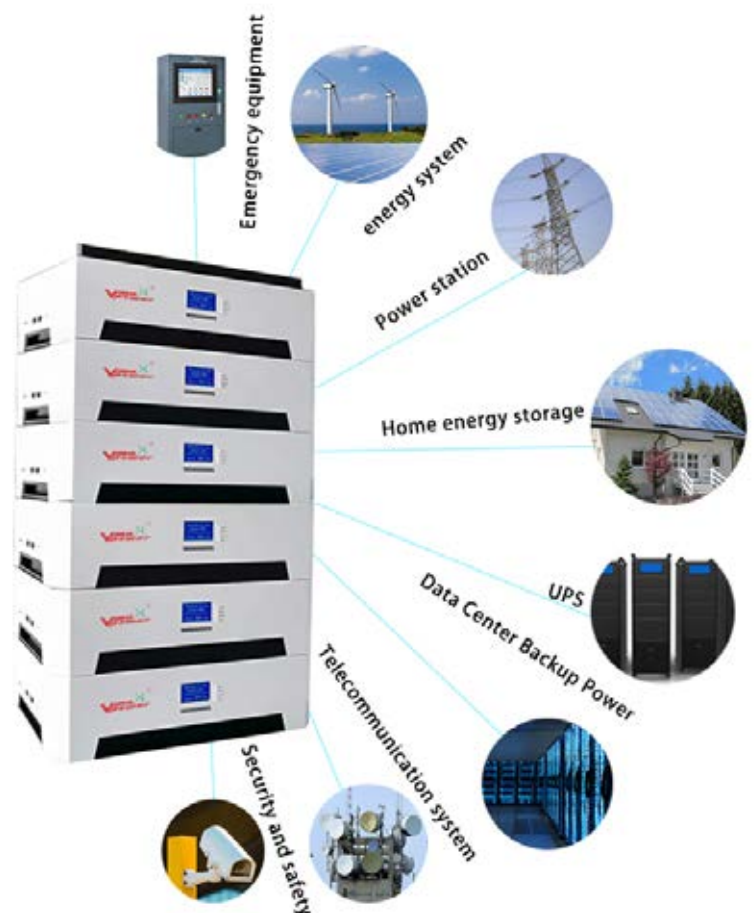
* System shutdown in case of over-heating.

* Battery charging is stopped at low temperature.

Model: M-LFPE


Features

- Stackable Type LiFePO4 Home Solar Energy Storage Battery Cabinet.
- Large capability and long life for all high power output applications.
- Low self-discharge and good discharge performance at low temperature.
- Ultra reliable Lithium Iron Phosphate (LiFePO4) Battery Technology.
- Environmentally friendly non-toxic, non-contaminating, no rare metal .
- Easy to install and operate .
- With communication cables and m8 connected cables.
- With User Manual.





Product Parameters

| Product Image | Technical Specifications | | | |
|---|--|-----------------------------------|-------------------|-------------|
|  | Model | M-LFPE48100 | Series-parallel | 16S1P-100AH |
| | Length | 680±2mm | Protection class | IP54 |
| | Width | 430±2mm | Container | Metal plate |
| | Thickness | 160±2mm | Display | LED |
| | Weight | ≈50.kg | Terminal | 100A |
| | Shipping Voltage | 52-54.4V | Design Life(Year) | 10 |
| Nominal Voltage | 51.2V | Recommended Charge Current | 20A | |
| Nominal Capacity | 100AH @ 0.2C | Max. Charge Current | 50A | |
| Energy | 5120Wh | Max. Continuous Discharge Current | 100A | |
| Internal Resistance(AC) | <50mΩ | Peak Discharge Current | 110A(1S) | |
| Cycle Life | 2000+ Cycles @ 1C 100% DOD | BMS Discharge Cut-off Voltage | 41.6V | |
| Monthly Self Discharge | Less than 3.5% per month at 25°C | Charge Temperature | 0~45°C | |
| Efficiency of Charge | 100% @ 0.5 C | Discharge Temperature | -20°C to 60°C | |
| Efficiency of Discharge | 96~99% @1C | Storage Temperature | -20°C to 60°C | |
| Charge Voltage | 57.6±0.2V | Communication Port | RS485/RS232/CAN | |
| Charge Model | 0.2C to 57.6V, then 57.6V, charge current to 0.02C | Maximum Modules in parallels | 16P | |

Product Case

