# 5kWh Wall-mounted LiFePO4 Battery

5kWh wall-mounted LiFePO4 battery, designed for residential energy storage, stylish design and Supports wall-mounted installation.

▲ This picture is for reference only



Wide Applications
Off-grid, Hybrid , Back-up, Peak Shaving, and Virtual Power Plant
Home Appliances, Uninterrupted Power Supply

Local service
Local team provides comprehensive services

Intelligent battery management system
High reliability BMS, 10 years tested.
Accurate & Stable

Support a variety of communication protocols, support RS485, RS232, CAN

Compatible with leading inverters

In the extreme performance safety test, the battery will not catch fire, explode, leak, and be safe to use.

## Product advantages

A Type of deep cycle and high capacity LFP battery with improved safety, long lifespan, and Worry-free user experience. Using Fully New A grade LiFePO4 Cells ,and fully quality inspected before shipment , battery lifespan can be over 10 years.Built in intelligent and reliable BMS, Support all-round monitoring of battery status, Multiple protections to ensure the safety for every user .

With 5kWh for a single unit and max. 15 units in parallel upto 75kWh energy storage capacity , it can meet most of the household electricity demand. Get ready with our battery for a fully charged life .

## Product Certification

- UN38.3
- MSDS
- CE-EMC
- CB(IEC-62619)
- CEI-021

## Company certification

- ISO 9001
- ISO 14001
- OHSAS 18001
- IATF16949

## Product Applications

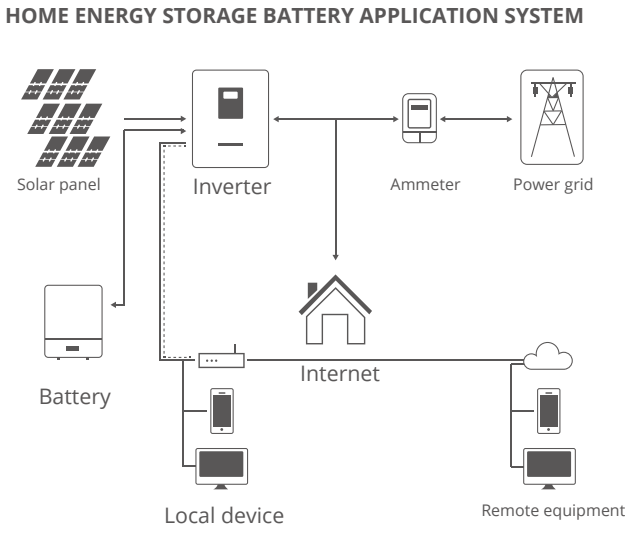
Off-grid,Hybrid, Back-up, Peak Shaving, and Virtual Power Plant Home Appliances, Uninterrupted Power Supply



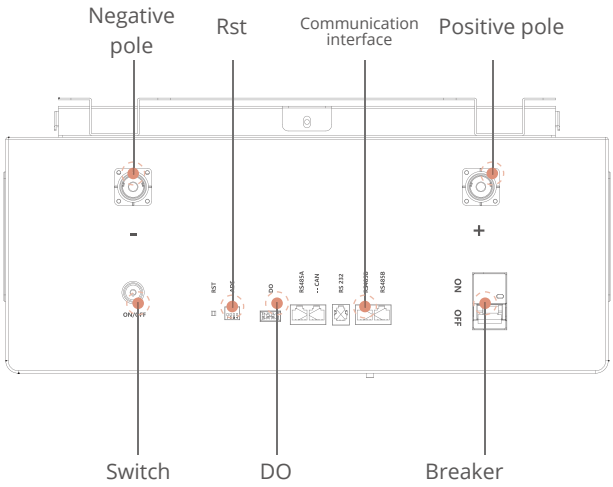




## Application system




## Panel definition



| Item | Parameter |
|---|---|
| Nominal Voltage | 51.2V |
| Working voltage | 43.2-57.6V |
| Nominal Capacity | 100AH |
| Energy | 5120WH |
| Communication | CAN/RS485 |
| Resistance | ≤45 mΩ @ 50% SOC |
| Efficiency | ＞ 96% |
| Scalability | Up to 15Units ,Suggest 8 Units Max |
| Alarms | Over Charge/Over Discharge/Over Current/Over Temperature/Short Circuit |
| Monitoring and Protection | Each Battery has Smart BMS,Breaker |
| | |
| Recommended Charge Current | 50A |
| Max Charge current | 100A |
| Recommended Charge Voltage | 57.6V |
| BMS Charge Cut-off Voltage | 58.4 V (3.65V/Cell) |
| Balancing Starting Voltage | 3.4V/Cell |
| | |
| Compatible Inverter Power | 5KW( for single module) |
| Max Continuous Discharge Current | 100A |
| Peak Discharge Current | 110 A（10s) |
| BMS Discharge  Cut-off current | 150 A (500ms) |
| BMS Discharge Cut-off Voltage | 43.2V  (2.7V/Cell) |
| Recommended Discharge DOD | 90% |
| | |
| Dimensions (L*W*H) | 501*452*155mm |
| Reference Weight | 52KG |
| Temrinal Type | Quick Connector |
| Case Material | SPCC |
| Protection Class | IP21 |
| | |
| Discharge Temperature | -20-60℃ |
| Charge Temperature | 0-45℃ |
| Storage Temperature | 10-30℃ |
| BMS High Voltage Cut-off | 65℃ |
| | |
| Compatible Inverters | DEYE /Afore /MEGAREVO/SOLIS/Growatt /LUXPOWER/Voltronics/Goodwe/ SMA/Victron/SOROTEC/MUST/etc. |
| Certification | CE/IEC62619/CEI-021/UN38.3/MSDS |