# 51.2V 100Ah 5120Wh
# Server Rack Lifepo4 Lithium Battery


## 7000+ Character

The **51.2V 100AH** LFP Battery is compact, well-designed, **LCD**, and cable/accessories ready for installation. **7000 cycles** deep cycle & 10 years warranty, designed for up to 15-year life.

## BMS Intelligent BMS

Battery Management System can manage and monitor cells information including voltage, current and temperature, protects it from overcharge, deep discharge, overloading, overheating and short circuit, help to extend lifetime.

## Flexible

Modular design, easy to expand, max **16 units** in parallel capacity of **81.9kwh**.

## Massive Energy Expansion

**CAN/RS485/RS232** Communication Protocol Lithium Ion Battery can be compatible with most inverters in the market.

Self-Consumpion

BMS

LCD Display

Long Lasting Batttery Module

Wide Compatibility

IP65 Grade

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## Technical Specifications

| Product Model | SG48100P |
|---|---|
| Battery Type | Lithium iron phosphate battery |
| Rated capacity | 100Ah |
| Nominal voltage | 51.2V |
| Recommended charging voltage | 54.5V |
| Charging Limited Voltage | 42V |
| SOC working range | 0~100% |
| Standard discharge current | 50A |
| Maximum continuous discharge current | 100A |
| Standard charging current | 50A |
| Maximumcontinuous-charge current | 100A |
| Maximum cut-off voltage for charging. | 57.6V |
| Charge cutoff.current | 5A |
| Disharge cut-off voltage | 43.2V |
| PACK.cyele life | ⩾7000 |
| Thermal management method | Natural heat dissipation |
| IP protection class | IP65 battery box |
| Flammability rating | plastic parts UL94 V-0 |
| Total system mass | Around 43KG |
| Battery system shell materia | BLACK Q235A |
| Shipping SOC | SOC45-55% |
| Dimension (LxWxH mm) | 442x460x133(3U) ±1mm |
| Design life | 15 Year |
| Parallel function | Supports up to 16 batteries in parallel |
| Anti-theft function | sensor G-sensor anti-theft function |
| Display function | English smart display |
| Charging current limit function | Current limit 20A |
| Communication mode | RS232/RS485/CAN |
| Communication protocol | Support multiple protocols |
| Storage ambient temperature | -10~+45℃ |
| Working temperature | Battery charging： 0～ 45℃, Battery discharging：-20～+60℃ |
| Relative humidity of working environment | ⩽95 |