

14.4KWh LFP Battery Bank



Our 14.4KWh LFP battery bank uses extremely safe and long-lasting Lithium Iron Phosphate technology and provides unparalleled safety, reliability, and performance. The battery bank has communication functions and can provide remote monitoring, diagnosis and upgrading.

It is specially designed for residential energy storage system to maximize solar usage, lower the electricity bill, and increase energy independence.

Benefits:

- Up to 99% round-trip efficiency.
- Remote monitoring, update, and management.
- Super long cycle life --- 6000 cycles at 80% DOD.
- Certification: UL1642, UL1973, IEC62133, UN38.3, UL9540A.
- Compatible with most industry standard inverter/charge controllers.
- Proven safety and high performance --- deployed in field for over 10 years.
- Easy installation and scalability
- Cabinets come pre-wired with busbars and circuit overload protection.
- Extremely competitive price and higher return on investment
- Market leading 10-year limited warranty.
- Maintenance free, no ventilation, cooling or thermal regulation required.
- Used for off-grid, peak load shedding, TOU, zero export, and emergency backup power applications.



Basic Parameters

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|--------------------------|--|
| Total Energy | 14.4kWh |
| Depth of Discharge (DOD) | Up to 100% DOD |
| Nominal Voltage | 48V |
| Layout | 1S3P |
| Capacity | 300Ah (0.5C, 25°C) |
| Dimensions (WxDxH) | 26 x 11 x 52 inch / 650 x 270 x 1320mm |
| Weight | 430lbs/195kg |
| Communication | RS485 or Canbus |
| Cycle Life | 6000 @ 80%DOD 0.5C |

Electrical Characteristics

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|--------------------|----------------------|
| Voltage Window | 40.5~54C |
| Max Current | 200A |
| Continuous Current | 150A |
| DC Disconnect | 200A Circuit Breaker |

Operation Environment

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|-----------------------|-------------------------------|
| Charge Temperature | 0°C~50°C (Optimum15°C~30°C) |
| Discharge Temperature | - 20°C~50°C (Optimum5°C~45°C) |
| Storage Temperature | - 20°C~50°C |
| Storage Humidity (RH) | 5%~95% |
| Working Humidity (RH) | 5%~95% |
| Protection Class | IP54 |

Others

| | |
|---------------|---|
| Certification | UL1642, UL1973, IEC62133, UN38.3, UL9540A |
| Warranty | 10yrs Limited |
| Scalability | Recommend Max 7 in parallel |