

9.6KWh (5U) LFP Battery Bank

(With room for future expansion)



Our 9.6KWh 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	
Total Energy	9.6kWh
Usable Energy	8.6kWh
Nominal Voltage	48V
Layout	1S2P
Capacity	200Ah (0.5C, 25°C)
Dimensions (WxDxH)	26 x 10.5 x 53 inch / 650 x 270 x 902
Weight	287lbs/130kg
Communication	RS485 or Canbus
Cycle Life	6000+ (80%DOD, 25°C)
Electrical Characteristics	
Voltage Window	40.5~54C
Max Current	100A
DC Disconnect	100A Circuit Breaker
Operation Environment	
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 10 in parallel