

19.2KWh LFP Battery Bank



Our 19.2KWh 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, CE, IEC, UN38.3
- Compatible with a lot of 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 (kWh)	19.2kWh
Useable Energy (kWh)	17.2kWh
Nominal Voltage (V)	48
Layout	1S4P
Capacity (Ah)	400 (0.5C, 25°C)
Dimensions(W×D×H)	38 x 11 x 45inch / 645 x 312 x 1320mm
Weight	502lbs/228kg
Communication	RS485, CAN
Cycle Life	6000+ (80%DOD,25°C)
Electrical Characteristics	
Voltage Window (V)	40.5~54
Max Current (A)	200
DC Disconnect	200A Circuit breaker
Operation Environment	
Charge Temperature (°C)	0°C~45°C (Optimum 15°C~30°C)
Discharge Temperature (°C)	- 20°C~50°C (Optimum 5°C~45°C)
Storage Temperature (°C)	- 20°C~55°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 5 in parallel