

(With room for future expansion)

Our 9.6KWh LFP battery bank uses extremely safe and long-lasting Lithium Iron Phosphate technology and provides unparalled 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.





Total Energy 9.6kWh Usable Energy 8.6kWh Nominal Voltage 48V Layout 152P 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 Max Current 100A DC Disconnect 100A DC Disconnect 100A Circuit Breaker Operation Environment Charge Temperature 2°C~50°C (Optimum15°C~30°C) Discharge Temperature - 20°C~50°C (Optimum5°C~45°C) Storage Humidity (RH) 5%~95% Working Humidity (RH) 5%~95% Protection Class IP54 Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty 10oyrs Limited	Basic Parameters	
Nominal Voltage Layout 152P 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) Storage Temperature 20°C~50°C (Optimum15°C~45°C) Storage Temperature 5%~95% Working Humidity (RH) 5%~95% Working Humidity (RH) Frotection Class Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty Diox x 100 x 20 x 100 x 1	Total Energy	9.6kWh
Layout 152P 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 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 Humidity (RH) 5%~95% Working Humidity (RH) 5%~95% Protection Class IP54 Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty 10yrs Limited	Usable Energy	8.6kWh
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 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 Humidity (RH) 5%~95% Working Humidity (RH) 5%~95% Protection Class IP54 Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty 10yrs Limited	Nominal Voltage	48V
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 5torage Temperature 5torage Temperature 5torage Humidity (RH) 5%~95% Working Humidity (RH) 5%~95% Protection Class DL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty Description of the second of th	Layout	1S2P
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) Storage 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	Capacity	200Ah (0.5C, 25°C)
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% Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty 10yrs Limited	Dimensions (WxDxH)	26 x 10.5 x 53 inch / 650 x 270 x 902
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	Weight	287lbs/130kg
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	Communication	RS485 or Canbus
Voltage Window 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 5%~95% Storage Humidity (RH) 5%~95% Protection Class Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty Warranty	Cycle Life	6000+ (80%DOD, 25°C)
Max Current DC Disconnect 100A Circuit Breaker Operation Environment Charge Temperature O°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) S%~95% Working Humidity (RH) Protection Class IP54 Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty Description Class Discharge Temperature - 20°C~50°C Optimum15°C~30°C) - 20°C~50°C Optimum5°C~45°C) - 20°C~50°C Optimum5°C~45°C) - 20°C~50°C Optimum5°C~45°C) - 20°C~50°C Optimum5°C~45°C) - 20°C~50°C Optimum15°C~30°C) - 20°C~50°C Optimum5°C~45°C) - 20°C~50°C Optimum5°C~45°C Optimum5	Electrical Characteristics	
DC Disconnect Operation Environment Charge Temperature O°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 Description of the second of	Voltage Window	40.5∼54C
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	Max Current	100A
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 Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty 10yrs Limited	DC Disconnect	100A Circuit Breaker
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	Operation Environment	
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	Charge Temperature	$0^{\circ}\text{C}\sim50^{\circ}\text{C}$ (Optimum15 $^{\circ}\text{C}\sim30^{\circ}\text{C}$)
Storage Humidity (RH) Working Humidity (RH) Protection Class IP54 Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty Description of the second of the secon	Discharge Temperature	- 20°C \sim 50°C (Optimum5°C \sim 45°C)
Working Humidity (RH) 5%~95% Protection Class IP54 Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty 10yrs Limited	Storage Temperature	- 20°C∼50°C
Protection Class Others Certification Warranty UL1642, UL1973, IEC62133, UN38.3, UL9540A 10yrs Limited	Storage Humidity (RH)	5%~95%
Others Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty 10yrs Limited	Working Humidity (RH)	5%~95%
Certification UL1642, UL1973, IEC62133, UN38.3, UL9540A Warranty 10yrs Limited	Protection Class	IP54
Warranty 10yrs Limited	Others	
Processor data data data serial	Certification	UL1642, UL1973, IEC62133, UN38.3, UL9540A
December of Mary 10 in marrellal	Warranty	10yrs Limited
Scalability Recommend Max 10 in parallel	Scalability	Recommend Max 10 in parallel