

Sohigh LiBAT



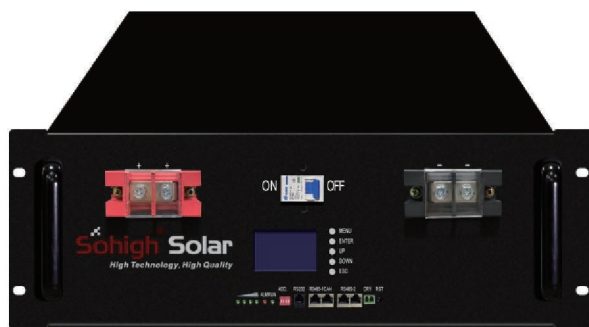
Product Features

- Longer Cycle Life: Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- Wider Temperature Range: -20°C~60°C.
- Superior Safety: Lithium iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.
- Increased Flexibility: Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel.
- Good deep discharge cycle capability
- Excellent Recovery from Deep

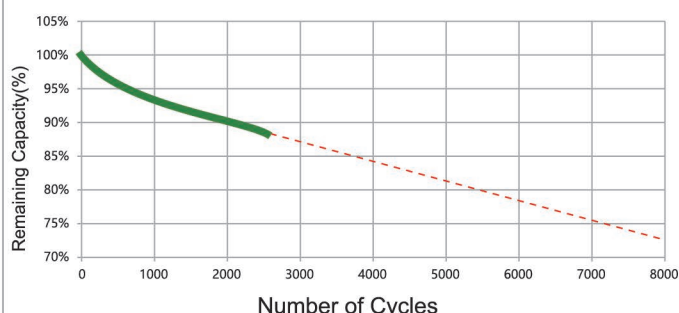
Sohigh LiBAT-100AH-25.6V

Solar Lithium Battery

Sohigh Solar
High Technology. High Quality



Cycle Life Curve



Technical Features

- **Ironclad Protection:** A steel-hardened, gray cast iron case provides significant improvements in protection against structural affects versus a typical plastic case
- **Streamlined Visual Assessments:** Sophisticated monitoring software provides on-demand information for battery health, cell health, BMS protections, regulatory temperature status
- **Longer Service Life:** Our LiFePO4 battery provides 2500 - 7000 cycles & a 10 years .
- **Efficient Power:** Our LiFePO4 battery's flat discharge curve holds above 25.6V for up to 95%
- **Impeccably Lightweight:** Our LiFePO4 battery is only a 1/3 of the weight of Lead Acid
- **Complete Protection:** The lithium battery's unique built-in Battery Management System (BMS) protects it from overcharge, deep discharge, overloading, overheating and short circuit.

Application

- Electric vehicles, electric mobility
- Solar Wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

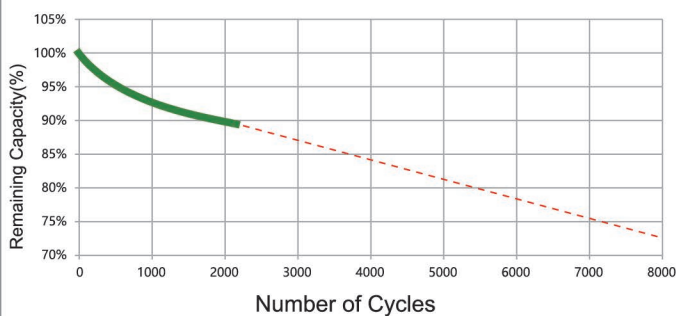
Technical Parameter

| | | |
|----------------------------|---------------------------|---|
| Electrical Characteristics | Nominal Voltage | 25.6V |
| | Nominal Capacity | 100Ah (C _s , 25°C) |
| | Energy | 2560Wh |
| | Internal Resistance | ≤200mΩ |
| | Cycle Life | >3500 cycles @0.2C 100%DOD |
| | Months Self Discharge | <3% |
| | Efficiency of Charge | 100% @0.2C |
| | Efficiency of Discharge | 96~99% @1C |
| Standard Charge | Charge Voltage | 29.2±0.2V |
| | Charge Mode | 0.2C to 29.2V, then 29.2,charge current 0.02C(CC/CV) |
| | Charger Current | 10A |
| | Max.Charge Current | 20A |
| | Charge Cut-off Voltage | 29.6V±0.2V |
| Standard Discharge | Continuous Current | 50A |
| | Max.Charge Current | 100A(<3s) |
| | Discharge Cut-off Voltage | 40V |
| Environmental | Charge Temperature | 0°Cto 45°C (32F to 113F) @60±25% Relative Humidity |
| | Discharge Temperature | -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity |
| | Storage Temperature | 0°C to 40°C (32F to 104F) @60±25% Relative Humidity |
| | Water Dust Resistance | |
| Mechanical | Cell & Method | 10213245-3.2V50AH-8S2P |
| | Plastic Case | 2U standard case |
| | Dimensions (in./mm.) | 482*410*89 mm |
| | Terminal | 100A Connector |
| | Protocol (optional) | RS485/CAN |
| | BMS | 8S50A |

NOTICE:Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.



Cycle Life Curve



Technical Features

- **Ironclad Protection:** A steel-hardened, gray cast iron case provides significant improvements in protection against structural affects versus a typical plastic case
- **Streamlined Visual Assessments:** Sophisticated monitoring software provides on-demand information for battery health, cell health, BMS protections, regulatory temperature status
- **Longer Service Life:** Our LiFePO4 battery provides 2500 - 7000 cycles & a 10 years .
- **Efficient Power:** Our LiFePO4 battery's flat discharge curve holds above 25.6V for up to 95%
- **Impeccably Lightweight:** Our LiFePO4 battery is only a 1/3 of the weight of Lead Acid
- **Complete Protection:** The lithium battery's unique built-in Battery Management System (BMS) protects it from overcharge, deep discharge, overloading, overheating and short circuit.

Application

- Electric vehicles, electric mobility
- Solar Wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

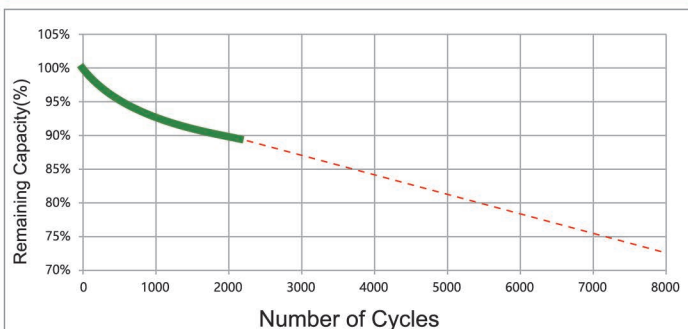
Technical Parameter

| | | |
|----------------------------|---------------------------|---|
| Electrical Characteristics | Nominal Voltage | 25.6V |
| | Nominal Capacity | 150Ah (C _s , 25°C) |
| | Energy | 3840Wh |
| | Internal Resistance | ≤200mΩ |
| | Cycle Life | >3000 cycles @1C 100%DOD |
| | Months Self Discharge | <3% |
| | Efficiency of Charge | 100% @0.2C |
| | Efficiency of Discharge | 96~99% @1C |
| Standard Charge | Charge Voltage | 29.2±0.2V |
| | Charge Mode | 0.2C to 29.2V, then 29.2,charge current 0.02C(CC/CV) |
| | Charger Current | 50A |
| | Max.Charge Current | 100A |
| | Charge Cut-off Voltage | 29.6V±0.2V |
| Standard Discharge | Continuous Current | 100A |
| | Max.Charge Current | 200A(<3s) |
| | Discharge Cut-off Voltage | 20V |
| Environmental | Charge Temperature | 0°Cto 45°C (32F to 113F) @60±25% Relative Humidity |
| | Discharge Temperature | -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity |
| | Storage Temperature | 0°C to 40°C (32F to 104F) @60±25% Relative Humidity |
| | Water Dust Resistance | |

NOTICE:Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.



Cycle Life Curve



Technical Features

- **Ironclad Protection:** A steel-hardened, gray cast iron case provides significant improvements in protection against structural affects versus a typical plastic case
- **Streamlined Visual Assessments:** Sophisticated monitoring software provides on-demand information for battery health, cell health, BMS protections, regulatory temperature status
- **Longer Service Life:** Our LiFePO4 battery provides 2500 - 7000 cycles & a 10 years .
- **Efficient Power:** Our LiFePO4 battery's flat discharge curve holds above 25.6V for up to 95%
- **Impeccably Lightweight:** Our LiFePO4 battery is only a 1/3 of the weight of Lead Acid
- **Complete Protection:** The lithium battery's unique built-in Battery Management System (BMS) protects it from overcharge, deep discharge, overloading, overheating and short circuit.

Application

- Electric vehicles, electric mobility
- Solar Wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

Technical Parameter

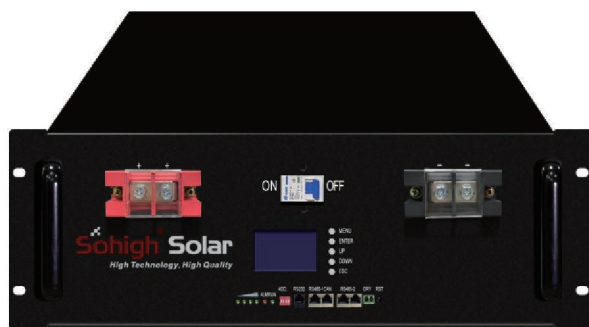
| | | |
|----------------------------|---------------------------|---|
| Electrical Characteristics | Nominal Voltage | 25.6V |
| | Nominal Capacity | 200Ah (C _s , 25°C) |
| | Energy | 5120Wh |
| | Internal Resistance | ≤200mΩ |
| | Cycle Life | >3000 cycles @1C 100%DOD |
| | Months Self Discharge | <3% |
| | Efficiency of Charge | 100% @0.2C |
| | Efficiency of Discharge | 96~99% @1C |
| Standard Charge | Charge Voltage | 29.2±0.2V |
| | Charge Mode | 0.2C to 29.2V, then 29.2,charge current 0.02C(CC/CV) |
| | Charger Current | 40A |
| | Max.Charge Current | 150A |
| | Charge Cut-off Voltage | 29.6V±0.2V |
| Standard Discharge | Continuous Current | 150A |
| | Max.Charge Current | 450A(<3s) |
| | Discharge Cut-off Voltage | 20V |
| Environmental | Charge Temperature | 0°Cto 45°C (32F to 113F) @60±25% Relative Humidity |
| | Discharge Temperature | -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity |
| | Storage Temperature | 0°C to 40°C (32F to 104F) @60±25% Relative Humidity |
| | Water Dust Resistance | |

NOTICE:Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.

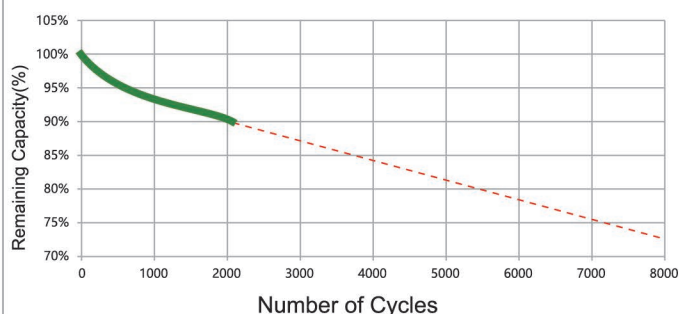
Sohigh LiBAT-100AH-51.2V

Solar Lithium Battery

Sohigh Solar
High Technology. High Quality



Cycle Life Curve



Technical Features

- **Ironclad Protection:** A steel-hardened, gray cast iron case provides significant improvements in protection against structural affects versus a typical plastic case
- **Streamlined Visual Assessments:** Sophisticated monitoring software provides on-demand information for battery health, cell health, BMS protections, regulatory temperature status
- **Longer Service Life:** Our LiFePO4 battery provides 2500 - 7000 cycles & a 10 years .
- **Efficient Power:** Our LiFePO4 battery's flat discharge curve holds above 25.6V for up to 95%
- **Impeccably Lightweight:** Our LiFePO4 battery is only a 1/3 of the weight of Lead Acid
- **Complete Protection:** The lithium battery's unique built-in Battery Management System (BMS) protects it from overcharge, deep discharge, overloading, overheating and short circuit.

Application

- Electric vehicles, electric mobility
- Solar Wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

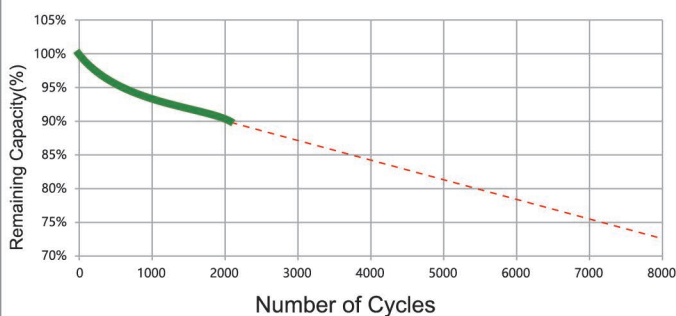
Technical Parameter

| | | |
|----------------------------|---------------------------|---|
| Electrical Characteristics | Nominal Voltage | 51.2V |
| | Nominal Capacity | 100Ah (C _s , 25°C) |
| | Energy | 5120Wh |
| | Internal Resistance | ≤500mΩ |
| | Cycle Life | >3500 cycles @0.2C 100%DOD |
| | Months Self Discharge | <3% |
| | Efficiency of Charge | 100% @0.2C |
| | Efficiency of Discharge | 96~99% @1C |
| Standard Charge | Charge Voltage | 58.4±0.2V |
| | Charge Mode | 0.2C to 58.4V, then 58.4,charge current 0.02C(CC/CV) |
| | Charger Current | 20A |
| | Max.Charge Current | 50A |
| | Charge Cut-off Voltage | 59.2V±0.2V |
| Standard Discharge | Continuous Current | 100A |
| | Max.Charge Current | 150A(<3s) |
| | Discharge Cut-off Voltage | 40V |
| Environmental | Charge Temperature | 0°Cto 45°C (32F to 113F) @60±25% Relative Humidity |
| | Discharge Temperature | -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity |
| | Storage Temperature | 0°C to 40°C (32F to 104F) @60±25% Relative Humidity |
| | Water Dust Resistance | |
| Mechanical | Cell & Method | 13161227-3.2V50AH-16S2P |
| | Plastic Case | 5U standard case |
| | Dimensions (in./mm.) | 482*430*222 mm |
| | Terminal | 100A through terminal |
| | Protocol (optional) | RS485/CAN |
| | BMS | 15S100A |

NOTICE:Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.



Cycle Life Curve



Technical Features

- **Ironclad Protection:** A steel-hardened, gray cast iron case provides significant improvements in protection against structural affects versus a typical plastic case
- **Streamlined Visual Assessments:** Sophisticated monitoring software provides on-demand information for battery health, cell health, BMS protections, regulatory temperature status
- **Longer Service Life:** Our LiFePO4 battery provides 2500 - 7000 cycles & a 10 years .
- **Efficient Power:** Our LiFePO4 battery's flat discharge curve holds above 25.6V for up to 95%
- **Impeccably Lightweight:** Our LiFePO4 battery is only a 1/3 of the weight of Lead Acid
- **Complete Protection:** The lithium battery's unique built-in Battery Management System (BMS) protects it from overcharge, deep discharge, overloading, overheating and short circuit.

Application

- Electric vehicles, electric mobility
- Solar Wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

Technical Parameter

| | | |
|----------------------------|---------------------------|---|
| Electrical Characteristics | Nominal Voltage | 51.2V |
| | Nominal Capacity | 150Ah (C _s , 25°C) |
| | Energy | 7680Wh |
| | Internal Resistance | ≤500mΩ |
| | Cycle Life | >3500 cycles @0.2C 100%DOD |
| | Months Self Discharge | <3% |
| | Efficiency of Charge | 100% @0.2C |
| | Efficiency of Discharge | 96~99% @1C |
| Standard Charge | Charge Voltage | 58.4±0.2V |
| | Charge Mode | 0.2C to 58.4V, then 58.4,charge current 0.02C(CC/CV) |
| | Charger Current | 20A |
| | Max.Charge Current | 50A |
| | Charge Cut-off Voltage | 59.2V±0.2V |
| Standard Discharge | Continuous Current | 100A |
| | Max.Charge Current | 150A(<3s) |
| | Discharge Cut-off Voltage | 40V |
| Environmental | Charge Temperature | 0°Cto 45°C (32F to 113F) @60±25% Relative Humidity |
| | Discharge Temperature | -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity |
| | Storage Temperature | 0°C to 40°C (32F to 104F) @60±25% Relative Humidity |
| | Water Dust Resistance | |
| Mechanical | Cell & Method | 13161227-3.2V50AH-16S3P |
| | Plastic Case | 6U standard case |
| | Dimensions (in./mm.) | 482*500*270 mm |
| | Terminal | 100A through terminal |
| | Protocol (optional) | RS485/CAN |
| | BMS | 16S100A |

NOTICE:Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.

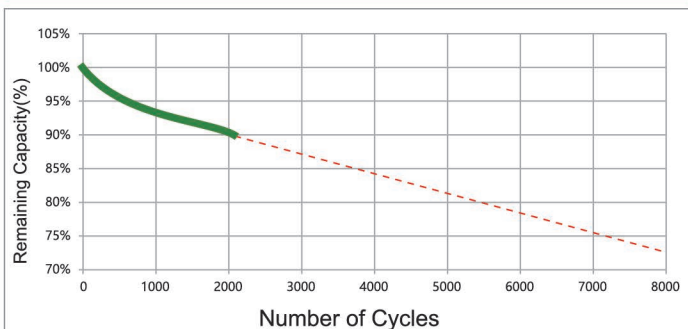
Sohigh LiBAT-200AH-51.2V

Solar Lithium Battery

Sohigh Solar
High Technology, High Quality



Cycle Life Curve



Technical Features

- **Ironclad Protection:** A steel-hardened, gray cast iron case provides significant improvements in protection against structural affects versus a typical plastic case
- **Streamlined Visual Assessments:** Sophisticated monitoring software provides on-demand information for battery health, cell health, BMS protections, regulatory temperature status
- **Longer Service Life:** Our LiFePO4 battery provides 2500 - 7000 cycles & a 10 years .
- **Efficient Power:** Our LiFePO4 battery's flat discharge curve holds above 25.6V for up to 95%
- **Impeccably Lightweight:** Our LiFePO4 battery is only a 1/3 of the weight of Lead Acid
- **Complete Protection:** The lithium battery's unique built-in Battery Management System (BMS) protects it from overcharge, deep discharge, overloading, overheating and short circuit.

Application

- Electric vehicles, electric mobility
- Solar Wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

Technical Parameter

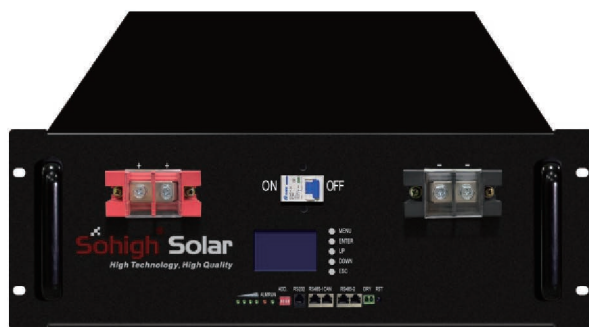
| | | |
|----------------------------|---------------------------|---|
| Electrical Characteristics | Nominal Voltage | 51.2V |
| | Nominal Capacity | 200Ah (C _s , 25°C) |
| | Energy | 10240Wh |
| | Internal Resistance | ≤500mΩ |
| | Cycle Life | >3500 cycles @0.2C 100%DOD |
| | Months Self Discharge | <3% |
| | Efficiency of Charge | 100% @0.2C |
| | Efficiency of Discharge | 96~99% @1C |
| Standard Charge | Charge Voltage | 58.4±0.2V |
| | Charge Mode | 0.2C to 58.4V, then 58.4,charge current 0.02C(CC/CV) |
| | Charger Current | 20A |
| | Max.Charge Current | 50A |
| | Charge Cut-off Voltage | 59.2V±0.2V |
| Standard Discharge | Continuous Current | 100A |
| | Max.Charge Current | 150A(<3s) |
| | Discharge Cut-off Voltage | 40V |
| Environmental | Charge Temperature | 0°Cto 45°C (32F to 113F) @60±25% Relative Humidity |
| | Discharge Temperature | -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity |
| | Storage Temperature | 0°C to 40°C (32F to 104F) @60±25% Relative Humidity |
| | Water Dust Resistance | |
| Mechanical | Cell & Method | 13161227-3.2V50AH-16S4P |
| | Plastic Case | 6U standard case |
| | Dimensions (in./mm.) | 482*500*270 mm |
| | Terminal | 100A through terminal |
| | Protocol (optional) | RS485/CAN |
| | BMS | 16S100A |

NOTICE:Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.

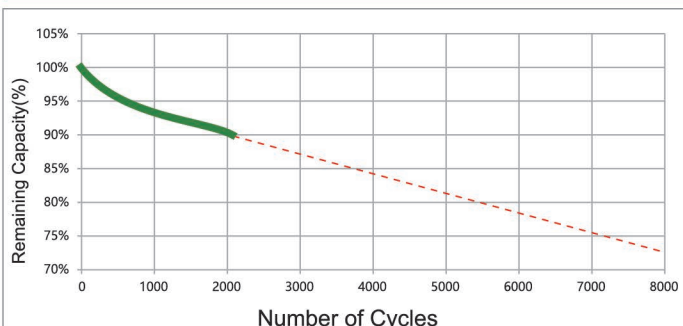
Sohigh LiBAT-250AH-51.2V

Solar Lithium Battery

Sohigh Solar
High Technology. High Quality



Cycle Life Curve



Technical Features

- **Ironclad Protection:** A steel-hardened, gray cast iron case provides significant improvements in protection against structural affects versus a typical plastic case
- **Streamlined Visual Assessments:** Sophisticated monitoring software provides on-demand information for battery health, cell health, BMS protections, regulatory temperature status
- **Longer Service Life:** Our LiFePO4 battery provides 2500 - 7000 cycles & a 10 years .
- **Efficient Power:** Our LiFePO4 battery's flat discharge curve holds above 25.6V for up to 95%
- **Impeccably Lightweight:** Our LiFePO4 battery is only a 1/3 of the weight of Lead Acid
- **Complete Protection:** The lithium battery's unique built-in Battery Management System (BMS) protects it from overcharge, deep discharge, overloading, overheating and short circuit.

Application

- Electric vehicles, electric mobility
- Solar Wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

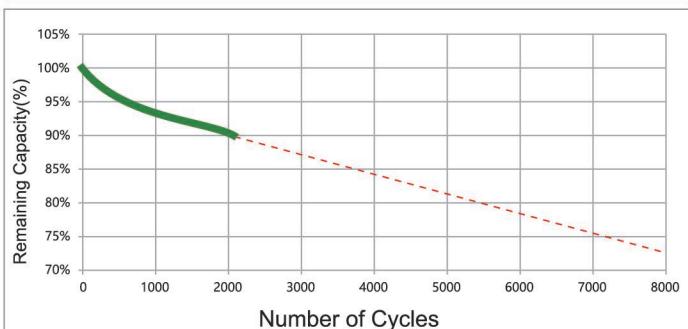
Technical Parameter

| | | |
|----------------------------|---------------------------|---|
| Electrical Characteristics | Nominal Voltage | 51.2V |
| | Nominal Capacity | 250Ah (C _s , 25°C) |
| | Energy | 7680Wh |
| | Internal Resistance | ≤500mΩ |
| | Cycle Life | >3500 cycles @0.2C 100%DOD |
| | Months Self Discharge | <3% |
| | Efficiency of Charge | 100% @0.2C |
| | Efficiency of Discharge | 96~99% @1C |
| Standard Charge | Charge Voltage | 58.4±0.2V |
| | Charge Mode | 0.2C to 58.4V, then 58.4,charge current 0.02C(CC/CV) |
| | Charger Current | 20A |
| | Max.Charge Current | 50A |
| | Charge Cut-off Voltage | 59.2V±0.2V |
| Standard Discharge | Continuous Current | 100A |
| | Max.Charge Current | 150A(<3s) |
| | Discharge Cut-off Voltage | 40V |
| Environmental | Charge Temperature | 0°Cto 45°C (32F to 113F) @60±25% Relative Humidity |
| | Discharge Temperature | -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity |
| | Storage Temperature | 0°C to 40°C (32F to 104F) @60±25% Relative Humidity |
| | Water Dust Resistance | |
| Mechanical | Cell & Method | 13161227-3.2V50AH-16S5P |
| | Plastic Case | 6U standard case |
| | Dimensions (in./mm.) | 482*570*270 mm |
| | Terminal | 100A through terminal |
| | Protocol (optional) | RS485/CAN |
| | BMS | 16S100A |

NOTICE:Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.



Cycle Life Curve



Technical Features

- **Ironclad Protection:** A steel-hardened, gray cast iron case provides significant improvements in protection against structural affects versus a typical plastic case
- **Streamlined Visual Assessments:** Sophisticated monitoring software provides on-demand information for battery health, cell health, BMS protections, regulatory temperature status
- **Longer Service Life:** Our LiFePO4 battery provides 2500 - 7000 cycles & a 10 years .
- **Efficient Power:** Our LiFePO4 battery's flat discharge curve holds above 25.6V for up to 95%
- **Impeccably Lightweight:** Our LiFePO4 battery is only a 1/3 of the weight of Lead Acid
- **Complete Protection:** The lithium battery's unique built-in Battery Management System (BMS) protects it from overcharge, deep discharge, overloading, overheating and short circuit.

Application

- Electric vehicles, electric mobility
- Solar Wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

Technical Parameter

| | | |
|----------------------------|---------------------------|---|
| Electrical Characteristics | Nominal Voltage | 51.2V |
| | Nominal Capacity | 300Ah (C _s , 25°C) |
| | Energy | 15360Wh |
| | Internal Resistance | ≤500mΩ |
| | Cycle Life | >3500 cycles @0.2C 100%DOD |
| | Months Self Discharge | <3% |
| | Efficiency of Charge | 100% @0.2C |
| | Efficiency of Discharge | 96~99% @1C |
| Standard Charge | Charge Voltage | 58.4±0.2V |
| | Charge Mode | 0.2C to 58.4V, then 58.4,charge current 0.02C(CC/CV) |
| | Charger Current | 20A |
| | Max.Charge Current | 50A |
| | Charge Cut-off Voltage | 59.2V±0.2V |
| Standard Discharge | Continuous Current | 100A |
| | Max.Charge Current | 150A(<3s) |
| | Discharge Cut-off Voltage | 40V |
| Environmental | Charge Temperature | 0°Cto 45°C (32F to 113F) @60±25% Relative Humidity |
| | Discharge Temperature | -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity |
| | Storage Temperature | 0°C to 40°C (32F to 104F) @60±25% Relative Humidity |
| | Water Dust Resistance | |
| Mechanical | Cell & Method | 13161227-3.2V50AH-16S6P |
| | Plastic Case | 6U standard case |
| | Dimensions (in./mm.) | 482*570*270 mm |
| | Terminal | 100A through terminal |
| | Protocol (optional) | RS485/CAN |
| | BMS | 16S100A |

NOTICE:Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.

Product Features

Deep Cycle Life(4000)

Using high quality LifePO4 cells, Cycle life can get to more than 6000 times, Usage life can be more than 7 years



High quality-in LifePO4 cells

LifePo4 batteries have higher Energy density and cycle life. Superior electrical performance. safety, environmental protection and No pull comparison For traditional lead-acid batteries

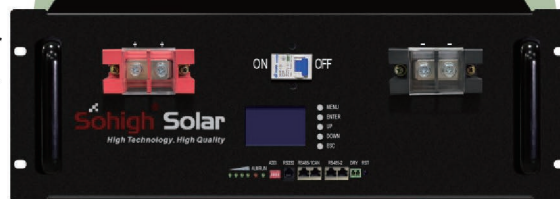
Support various communication protocols

Support RS485 CAN and other communication protocols



Intelligent BMS

Offer: Over-charge protection, over-discharge protection, over-current protection, high temperature protection and more to 15 items' protections



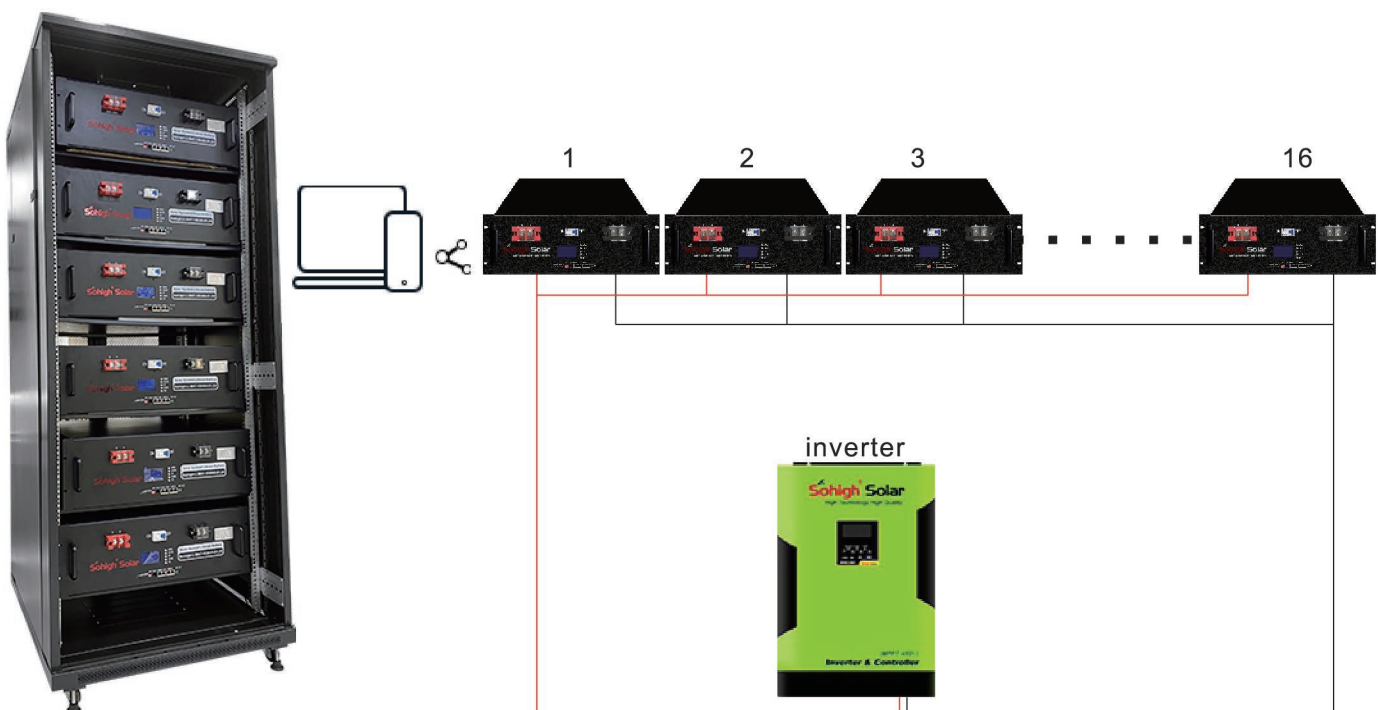
Deep Cycle Life(4000)

During the ultimate performance tests, battery won't be on fire and boom

Customization

Welcome for customers' OEM & ODM inquiry

Max support 16 units parallel connection.



NOTICE: Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.