



POWER BATTERY

ENERGY STORAGE BATTERY

ENERGY STORAGE SYSTEM

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DESIGN | RESEARCH | MANUFACTURING



## About us

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SUG New Energy Co., Ltd. has been in the photovoltaic and inverter energy storage industry for more than 10 years, based on deep cooperation with Chinese Academy of Sciences, we have strong technical research ability and focusing on high-quality lithium batteries and solar inverter.

Most of the SUG products have passed CE, FCC, ETL, UN38.3 certificate, etc. Our team has mature technology in lithium battery pack & battery BMS technology, which can provide customers with the best performance, suited solutions, stable, reliable and safe lithium battery products.

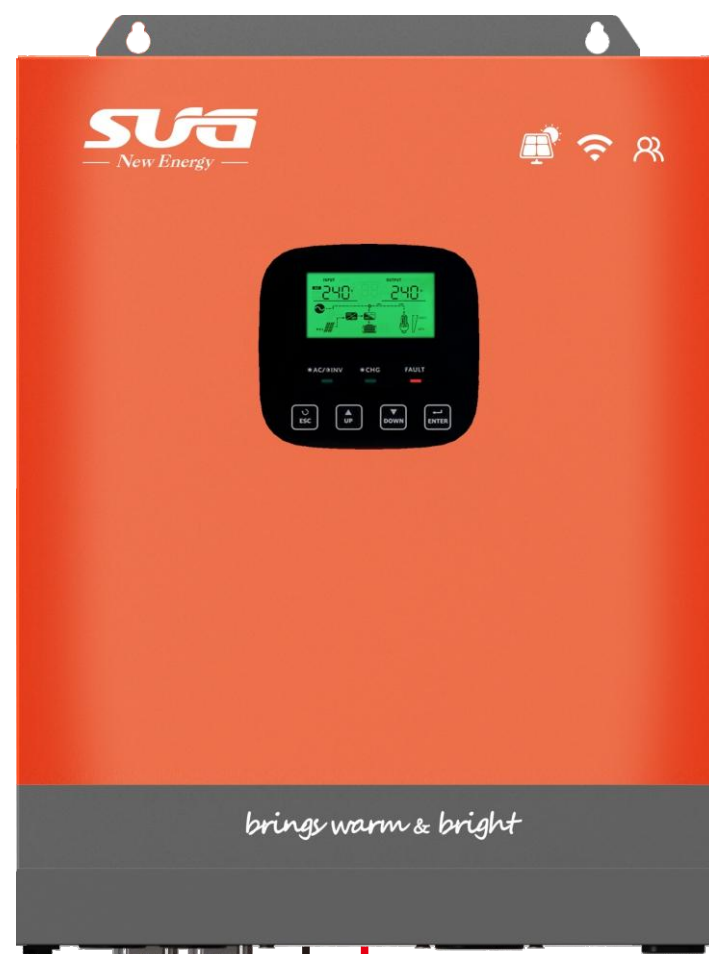
In 2022, SUG became the lithium battery supplier of the venues of the 2022 Hangzhou Asian Games.

Our lithium battery products are widely used in the following fields:

- Energy storage system, control system, alarm system, electrical system, data center
- Emergency lighting system, standby power supply, UPS / EPS
- Telecommunication equipment, communication equipment, fire protection system and security defense system
- Three wheel electric, three wheel electric, four wheel electric and various low-speed electric
- AGV handling, forks, rooms, sightseeing, golf balls, sailboats, yachts, intelligent machines

## Power Wall

### Lithium Energy Storage Battery



# SPW 4850 Power Wall Lithium Energy Storage Battery



## Product introduction

The SPW power wall lithium energy storage battery use long working life LiFePO4 battery, wall mounted installation is more convenient and beautiful , high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

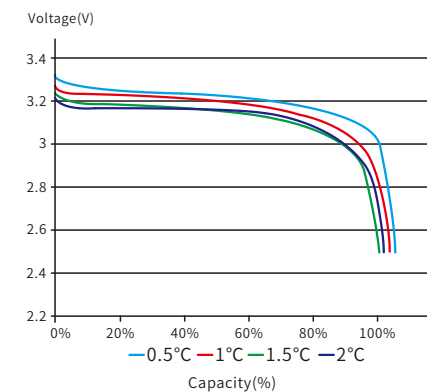
- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



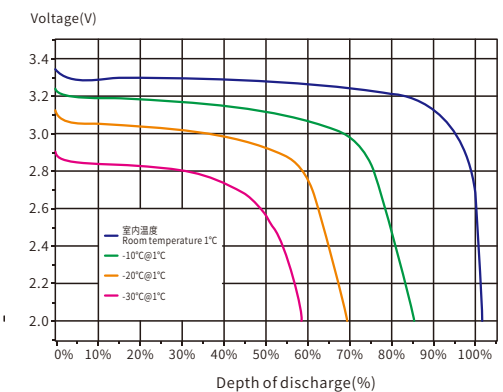
## Performance curve

( @Different rates)



\* The curves maybe different according to specific customer requirement

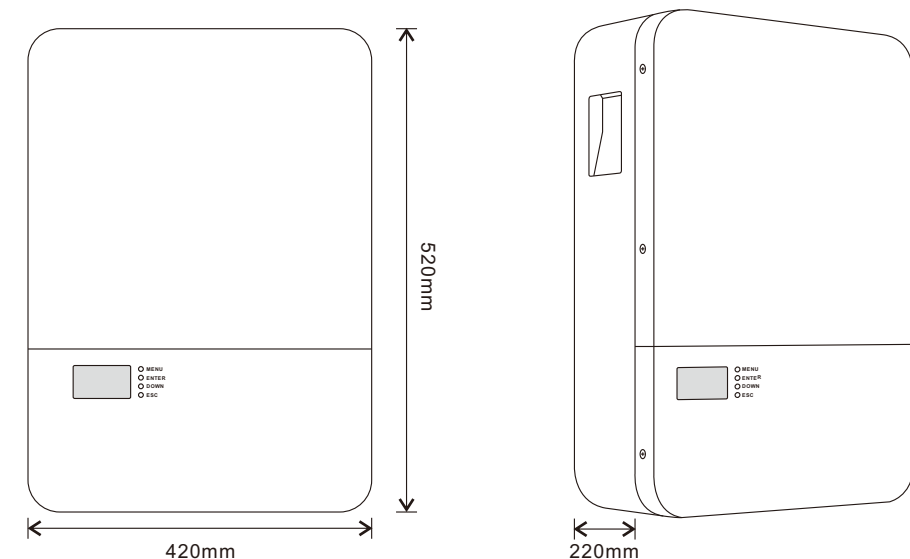
Typical discharge characteristics at different temperatures



## Products Specification

Model	SPW-50AH 48V	SPW-50AH 51.2V
Capacity	2.4KWH	2.56KWH
Standard Discharging Current	25A	25A
Max Discharging Current	50A	50A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	50A	50A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Wall mounted installation	
IP Rating	IP20	
Max Number Of Parrallel	16	
Warranty	5 Years	
Communication	CAN/RS485/RS232(WiFi/bluetooth/4G optional)	
Product Size	558*400*228mm	
Packing Size	680*525*375mm	
Net Weight	22Kg	23Kg
Gross Weight	26Kg	27Kg

## Product dimensions



# SPW-Pro 4850 Power Wall Lithium Energy Storage Battery



## Product introduction

The SPW power wall lithium energy storage battery use long working life LiFePO4 battery, wall mounted installation is more convenient and beautiful , high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel and 8pcs in series
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



Over Current



Over Voltage



High Temperature



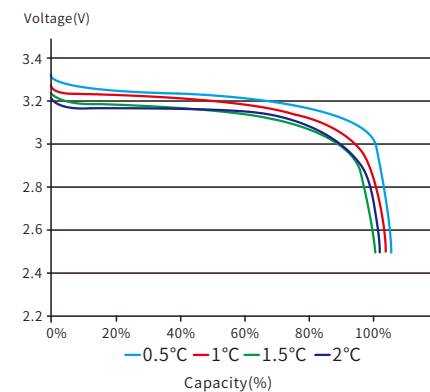
Low Voltage



Short Circuit

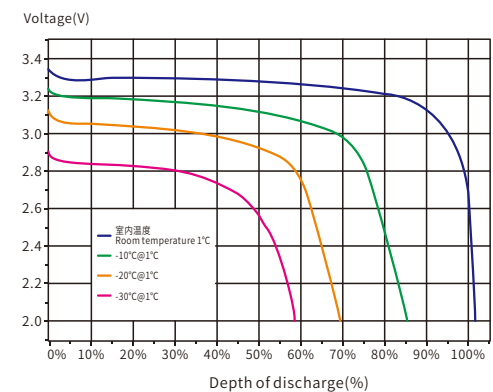
## Performance curve

( @Different rates)



\* The curves maybe different according to specific customer requirement

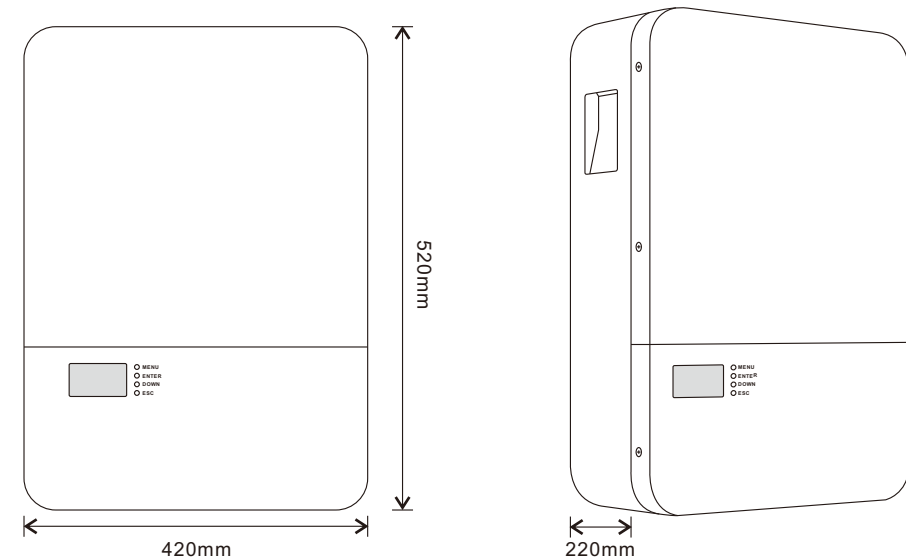
Typical discharge characteristics at different temperatures



## Products Specification

Model	SPW-50AH 48V	SPW-50AH 51.2V
Capacity	2.4KWH	2.56KWH
Standard Discharging Current	25A	25A
Max Discharging Current	50A	50A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	50A	50A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Wall mounted installation	
Max Number of Series	8S	
Max Number Of Parrallel	16P	
Warranty	5 Years	
Communication	CAN/RS485(WiFi/bluetooth/4G optional)	
Product Size	558*400*228mm	
Packing Size	680*525*375mm	
Net Weight	22Kg	23Kg
Gross Weight	26Kg	27Kg

## Product dimensions



# SPW 48100 Power Wall Lithium Energy Storage Battery



## Product introduction

The SPW power wall lithium energy storage battery use long working life LiFePO4 battery, wall mounted installation is more convenient and beautiful , high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

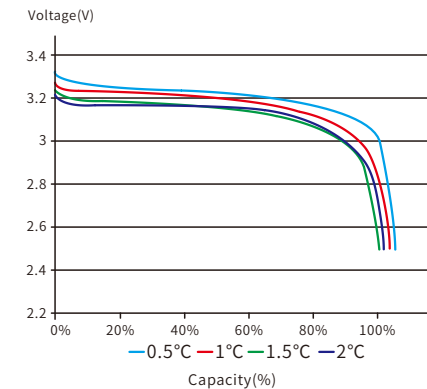
- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



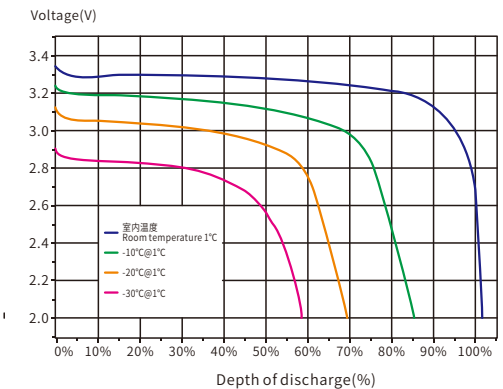
## Performance curve

(@Different rates)



\* The curves maybe different according to specific customer requirement

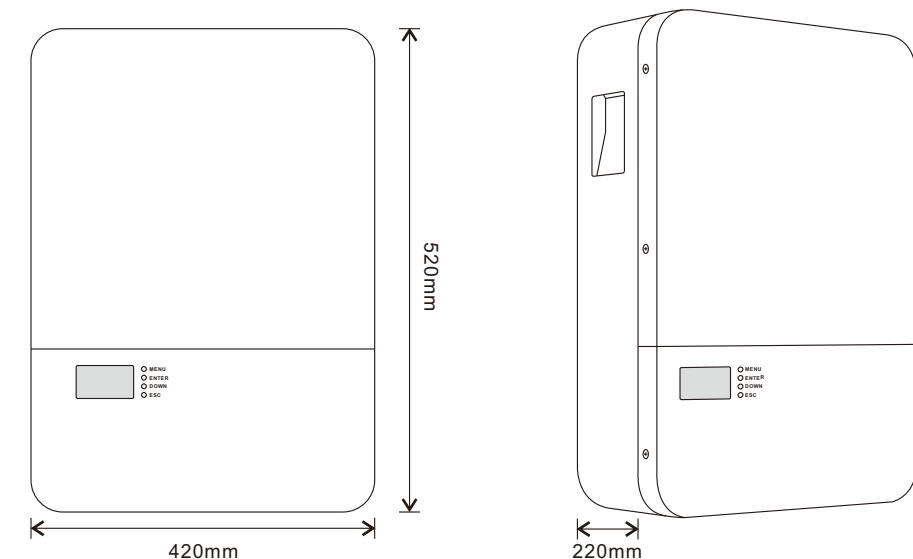
Typical discharge characteristics at different temperatures



## Products Specification

Model	SPW-100AH 48V	SPW-100AH 51.2V
Capacity	4.8KWH	5.12KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	50A	50A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Wall mounted installation	
IP Rating	IP20	
Max Number Of Parrallel	16	
Warranty	5 Years	
Communication	CAN/RS485/RS232(WiFi/bluetooth/4G optional)	
Product Size	558*400*228mm	
Packing Size	680*525*375mm	
Net Weight	43Kg	45Kg
Gross Weight	51.5Kg	53.5Kg

## Product dimensions



# SPW-Pro 48100 Power Wall Lithium Energy Storage Battery



## Product introduction

The SPW power wall lithium energy storage battery use long working life LiFePO4 battery, wall mounted installation is more convenient and beautiful , high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel and 8pcs in series
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

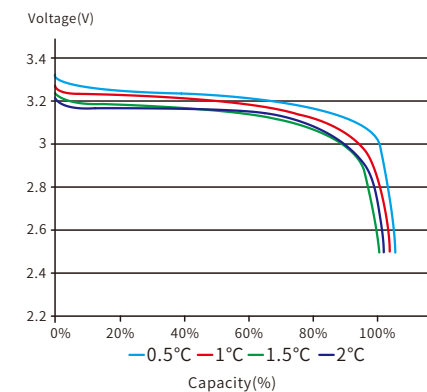
- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



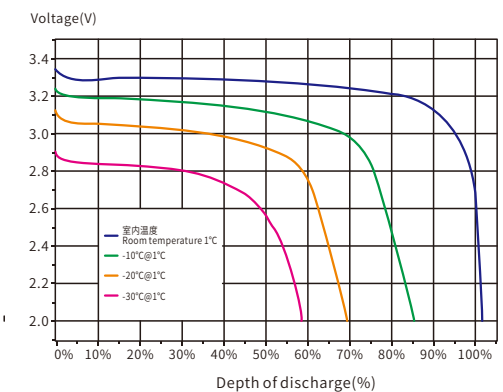
## Performance curve

(@Different rates)



\* The curves maybe different according to specific customer requirement

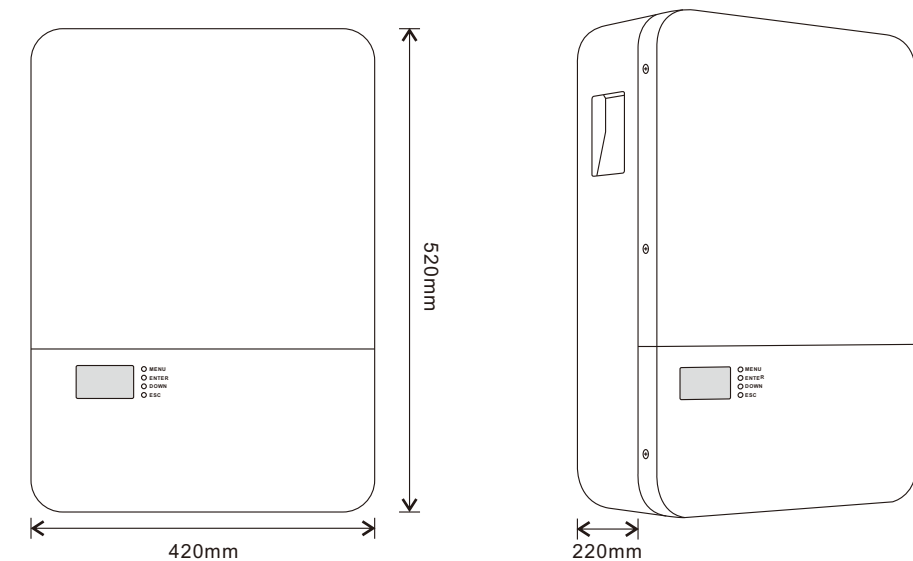
Typical discharge characteristics at different temperatures



## Products Specification

Model	SPW-100AH 48V	SPW-100AH 51.2V
Capacity	4.8KWH	5.12KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	50A	50A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Wall mounted installation	
Max Number of Series	8S	
Max Number Of Parrallel	16P	
Warranty	5 Years	
Communication	CAN/RS485(WiFi/bluetooth/4G optional)	
Product Size	558*400*228mm	
Packing Size	680*525*375mm	
Net Weight	43Kg	45Kg
Gross Weight	51.5Kg	53.5Kg

## Product dimensions





# SPW 48200 Power Wall Lithium Energy Storage Battery



## Product introduction

The SPW power wall lithium energy storage battery use long working life LiFePO4 battery, wall mounted installation is more convenient and beautiful , high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

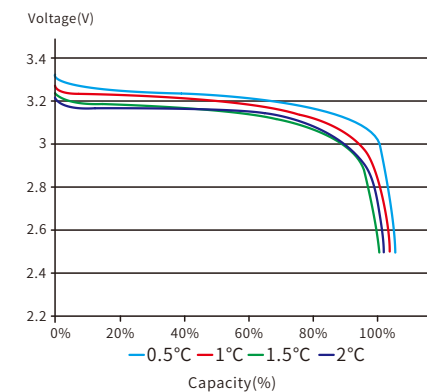
- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



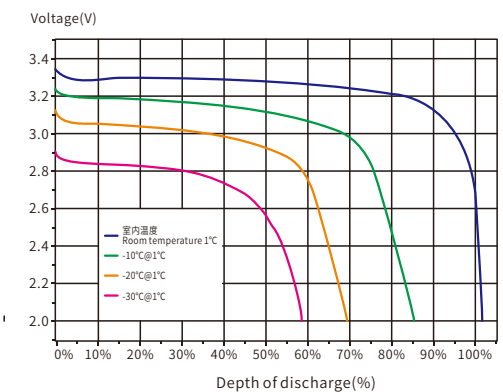
## Performance curve

(@Different rates)



\* The curves maybe different according to specific customer requirement

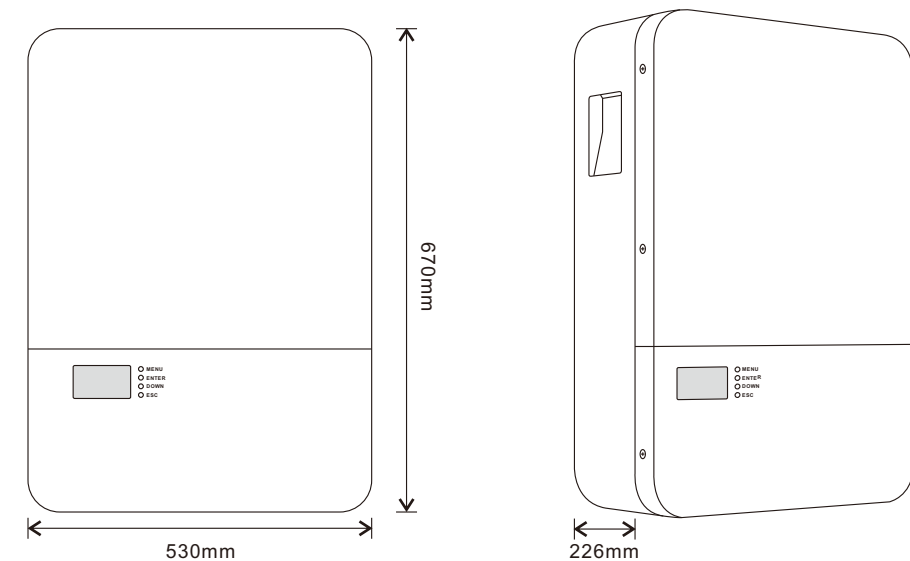
Typical discharge characteristics at different temperatures



## Products Specification

Model	SPW-200AH 48V	SPW-200AH 51.2V
Capacity	9.6KWH	10.24KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	100A	100A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Wall mounted installation	
IP Rating	IP20	
Max Number Of Parrallel	16	
Warranty	5 Years	
Communication	CAN/RS485/RS232(WiFi/bluetooth/4G optional)	
Product Size	591*485*184mm	
Packing Size	790*650*375mm	
Net Weight	73Kg	76Kg
Gross Weight	84Kg	87Kg

## Product dimensions





# SPW-Pro 48200 Power Wall Lithium Energy Storage Battery



## Product introduction

The SPW power wall lithium energy storage battery use long working life LiFePO4 battery, wall mounted installation is more convenient and beautiful , high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel and 8pcs in series
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

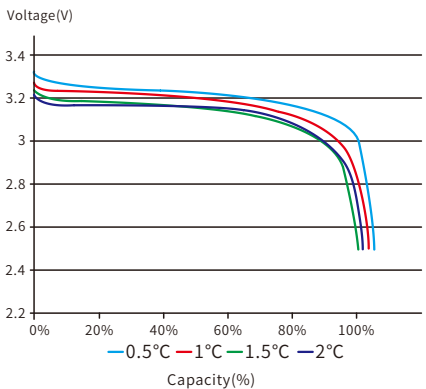
- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



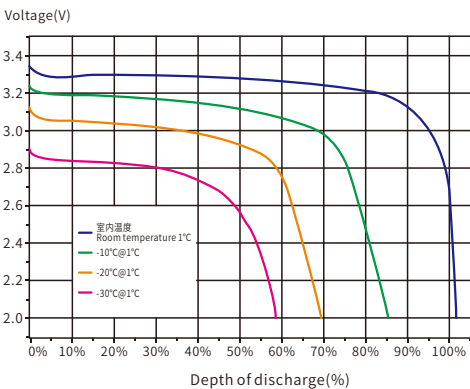
## Performance curve

( @Different rates)



\* The curves maybe different according to specific customer requirement

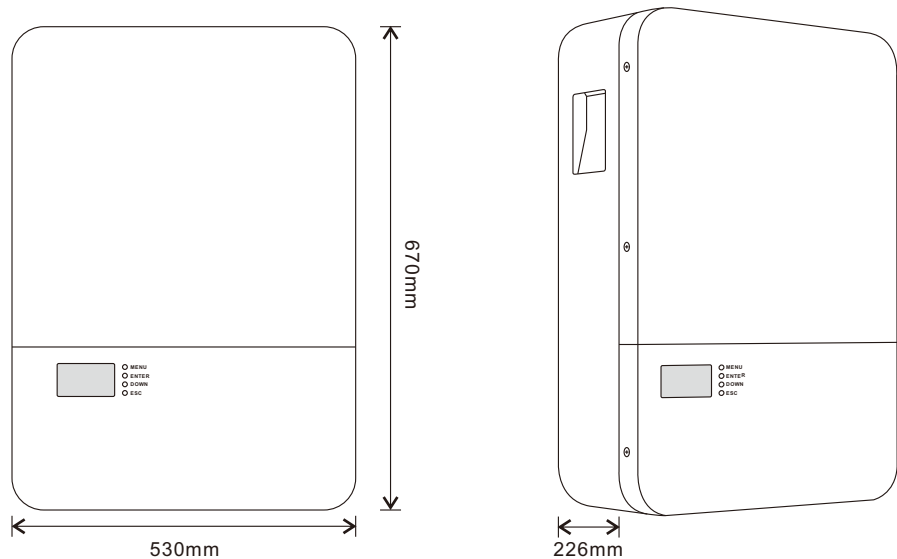
Typical discharge characteristics at different temperatures



## Products Specification

Model	SPW-200AH 48V	SPW-200AH 51.2V
Capacity	9.6KWH	10.24KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	100A	100A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Wall mounted installation	
Max Number of Series	8S	
Max Number Of Parrallel	16P	
Warranty	5 Years	
Communication	CAN/RS485(WiFi/bluetooth/4G optional)	
Product Size	591*485*184mm	
Packing Size	790*650*375mm	
Net Weight	73Kg	76Kg
Gross Weight	84Kg	87Kg

## Product dimensions



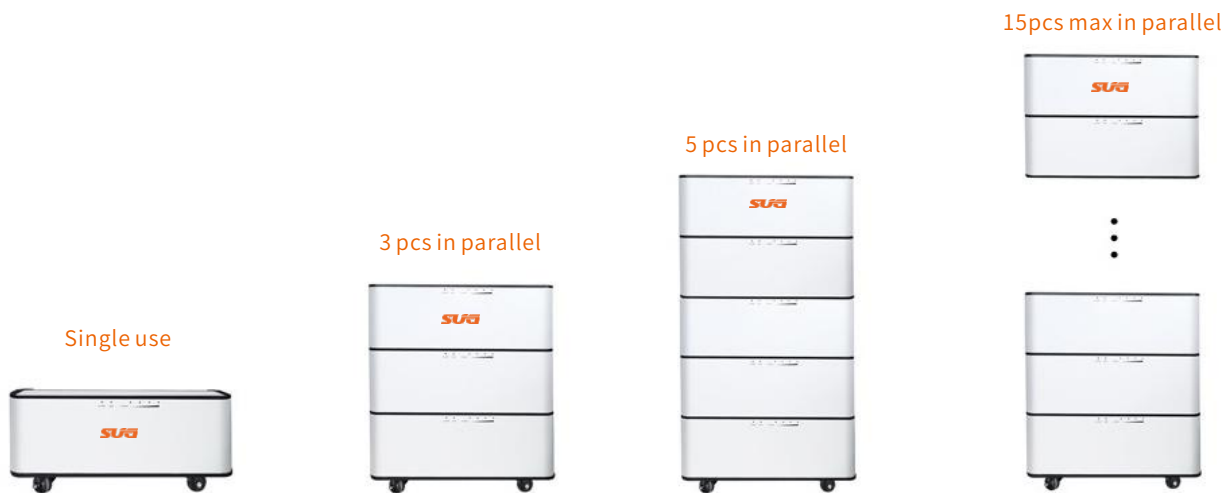
SBM 5.12KWh Stacked Lithium Energy Storage Battery



产品概述 Product introduction

The SBM stacked lithium energy storage battery use long working life LiFePO4 cell, high performance BMS to protect and manage the battery system.The max parallel is 15pcs,free combination for the capacity and meet all kinds of demand for home/industry

- ※ Free combination,Stacked design,More beautiful/convenient
- ※ Max parallel is 15pcs with large capacity
- ※ Move freely with pulley

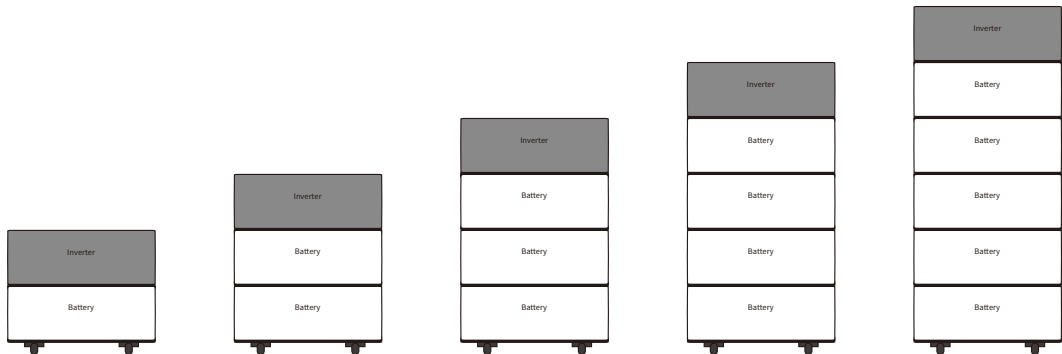


Inverter Products Specification

Rated Power	5000W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(For personal computers);90-280VAC(For home appliances)
Frequency Range	50Hz/60Hz(Auto sensing)
OUTPUT	
AC Voltage Regulation(Battery.Mode)	230VAC±5%
Surge Power	11000VA
Efficiency(Peak)	Up to 93.5%
Transfer Time	10ms (For personal computers);20ms(For home appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	63VDC
Solar Charger & AC charger	
Maximum PV Array Open Circuit Voltage	500VDC
Maximum PV Array Power	5500W
MPPT Range @ Operating Voltage	120-450VDC
Maximum Solar Charger Current	80A
Maximum AC Charger Current	60A
Maximum Charger Current	80A
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

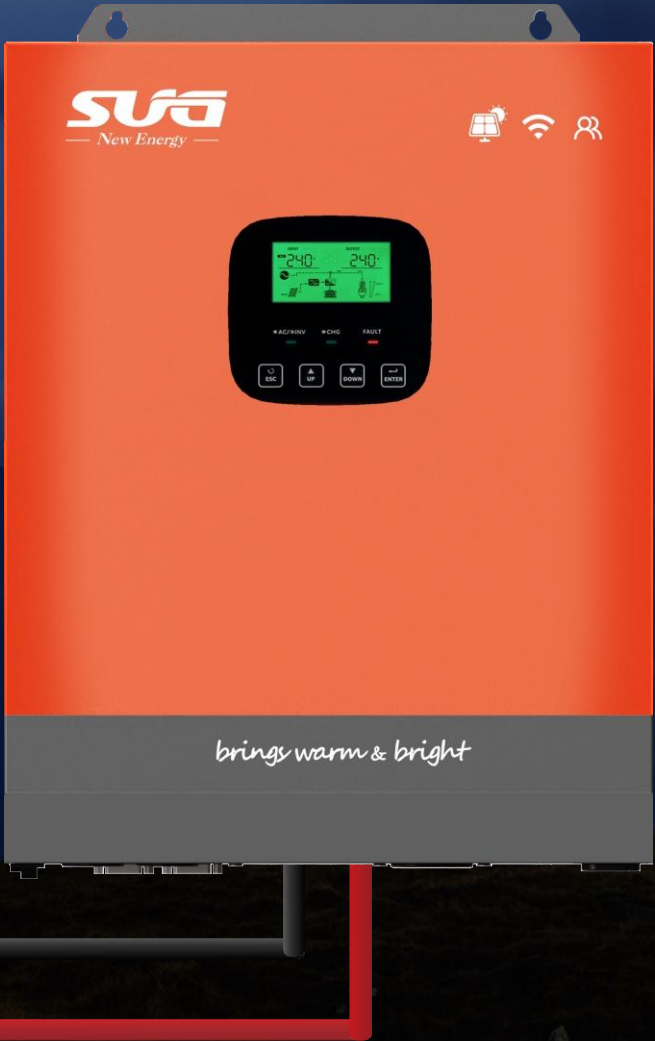
Battery Products Specification

Model	SBM-5.12KWH	SBM-10.24KWH	SBM-15.36KWH	SBM-20.48KWH	SBM-25.6KWH
Single module capacity	5.12KWH				
Module number	1PCS	2PCS	3PCS	4PCS	5PCS
Total capacity	5.12KWH	10.24KWH	15.36KWH	20.48KWH	25.6KWH
Standard voltage	51.2V				
Working voltage	43.2V-57.6V				
Standard discharge current	100A	200A	300A	400A	500A
Standard charge current	50A	100A	150A	200A	250A
Suggested DOD	80%				
Humidity	20%-60%				
Installation	Stacked				
IP rating	IP20				
Communication	CAN/RS485/RS232(WiFi/bluetooth/4G optional)				
Product size/unit	620*550*480mm	620*550*760mm	620*550*1040mm	620*550*1320mm	620*550*1600mm
N.W./unit	50kg	80kg	120kg	150kg	190kg



*brings warm & bright*

Energy Storage LiFePO4 Battery





# SBS 4850 Rack Mode Lithium Energy Storage Battery



## Product introduction

The SBS lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

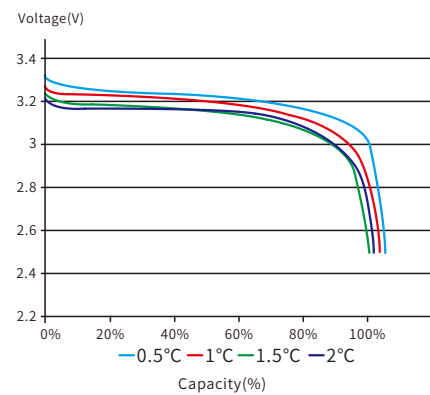
- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection

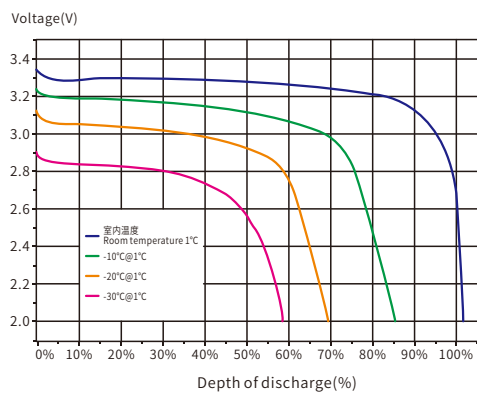


## Performance curve

(@Different rates)



Typical discharge characteristics at different temperatures

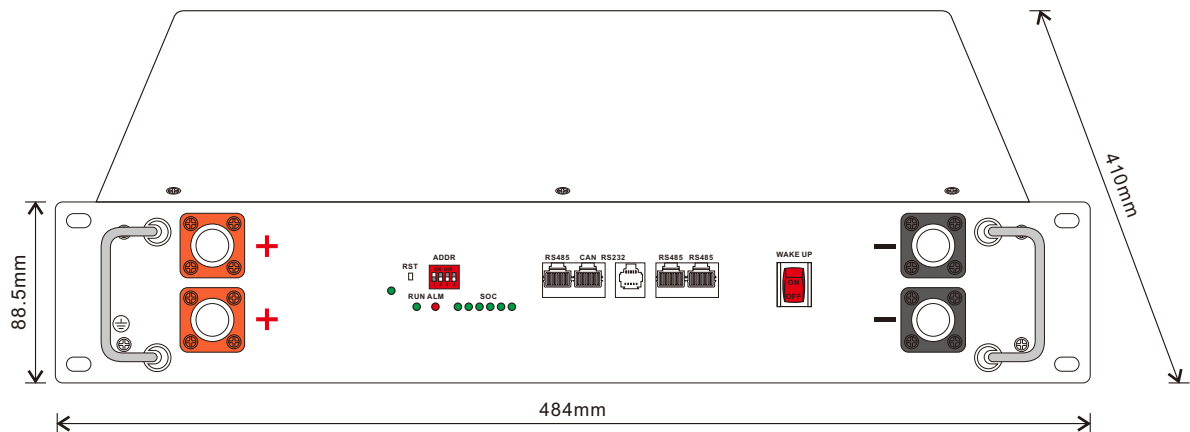


\* The curves maybe different according to specific customer requirement

## Products Specification

Model	SBS-48V50AH	SBS-51.2V50AH
Capacity	2.4KWH	2.56KWH
Standard Discharging Current	25A	25A
Max Discharging Current	50A	50A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	25A	25A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Rack mounted or cabinet	
IP Rating	IP20	
Max Number Of Parrallel	16	
Warranty	5 Years	
Communication	CAN/RS485/RS232(WiFi/bluetooth/4G optional)	
Product Size	410*484*122mm	
Packing Size	510*567*165mm	
Net Weight	24.5kg	26.5kg
Gross Weight	27.05kg	29.05kg

## Product dimensions



# SBS-Pro 4850 Rack Mode Lithium Energy Storage Battery



## Product introduction

The SBS lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel and 8pcs in series
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

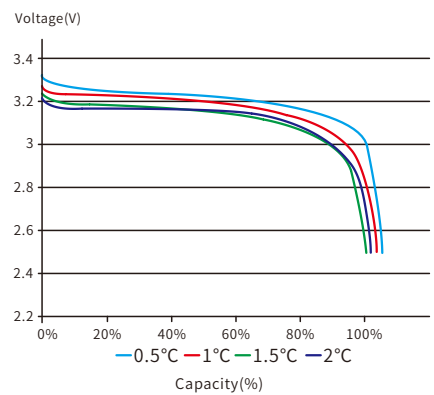
- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection

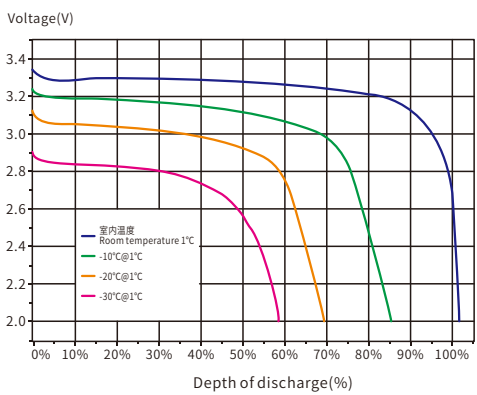


## Performance curve

(@Different rates)



Typical discharge characteristics at different temperatures

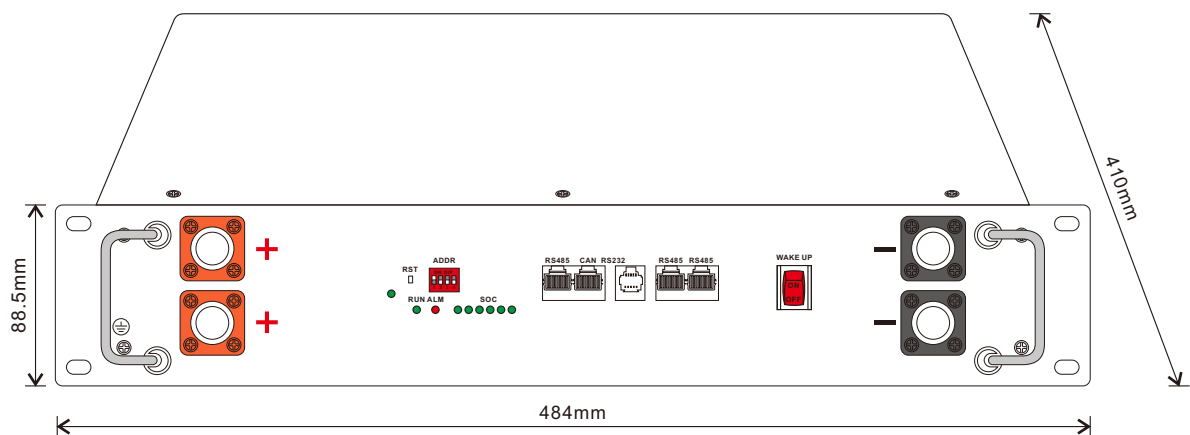


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## Products Specification

Model	SBS-48V50AH	SBS-51.2V50AH
Capacity	2.4KWH	2.56KWH
Standard Discharging Current	25A	25A
Max Discharging Current	50A	50A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	25A	25A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Rack mounted or cabinet	
IP Rating	IP20	
Max Number Of Parrallel	16	
Warranty	5 Years	
Communication	CAN/RS485(WiFi/bluetooth/4G optional)	
Product Size	410*484*122mm	
Packing Size	510*567*165mm	
Net Weight	24.5kg	26.5kg
Gross Weight	27.05kg	29.05kg

## Product dimensions



# SBS 48100 Rack Mode Lithium Energy Storage Battery



## Product introduction

The SBS lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



Over Current



Over Voltage



High Temperature



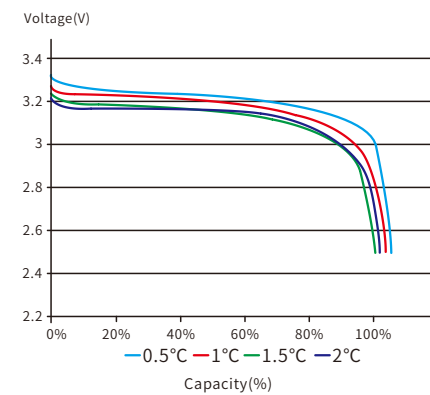
Low Voltage



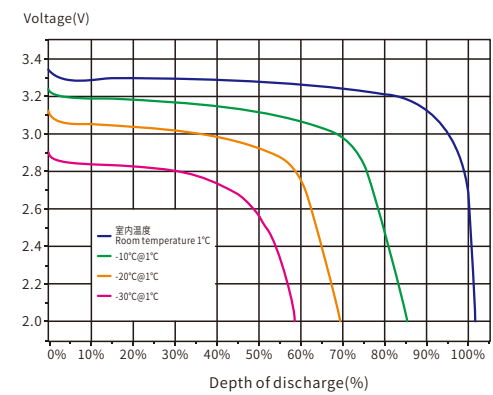
Short Circuit

## Performance curve

(@Different rates)



Typical discharge characteristics at different temperatures

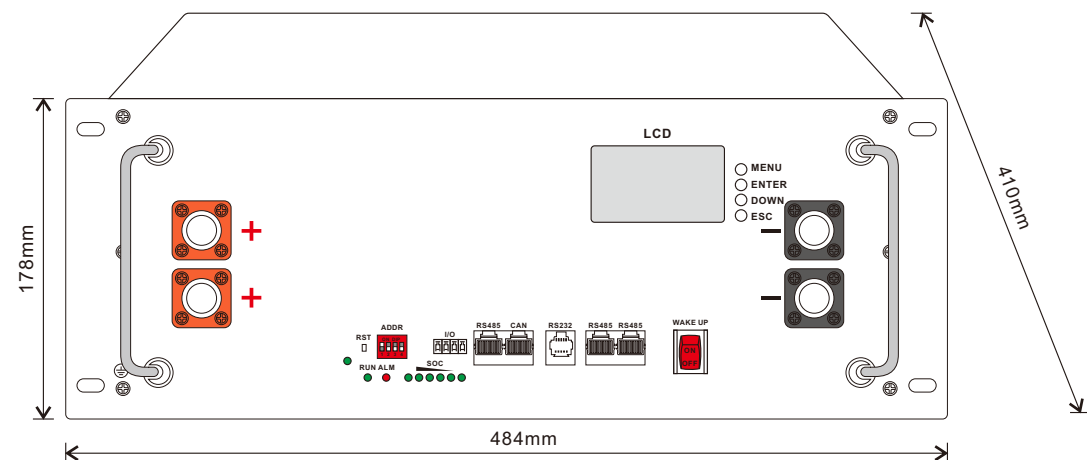


\* The curves maybe different according to specific customer requirement

## Products Specification

Model	SBS-48V100AH	SBS-51.2V100AH
Capacity	4.8KWH	5.12KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	50A	50A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Rack mounted or cabinet	
IP Rating	IP21	
Max Number Of Parrallel	16P	
Warranty	5 Years	
Communication	CAN/RS485/RS232(WiFi/bluetooth/4G optional)	
Product Size	410*484*178mm	
Packing Size	540*510*270mm	
Net Weight	39.5kg	41.5kg
Gross Weight	45.5kg	47.5kg

## Product dimensions



# SBS-Pro 48100 Rack Mode Lithium Energy Storage Battery



## Product introduction

The SBS lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel and 8pcs in series
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



Over Current



Over Voltage



High Temperature



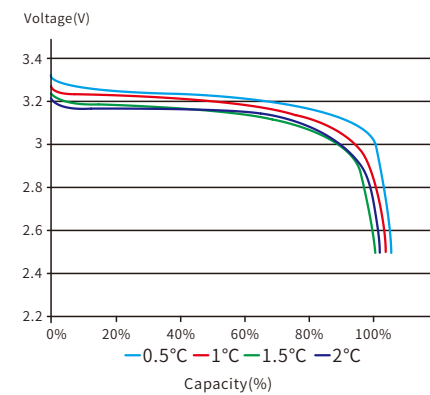
Low Voltage



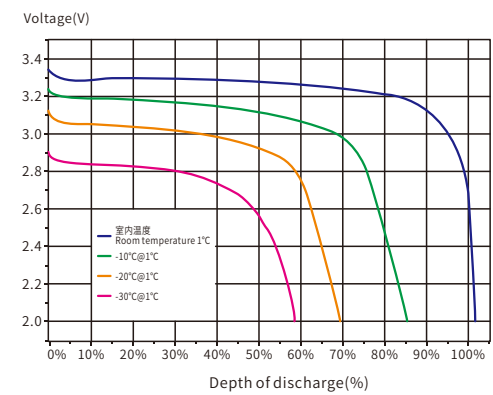
Short Circuit

## Performance curve

(@Different rates)



Typical discharge characteristics at different temperatures

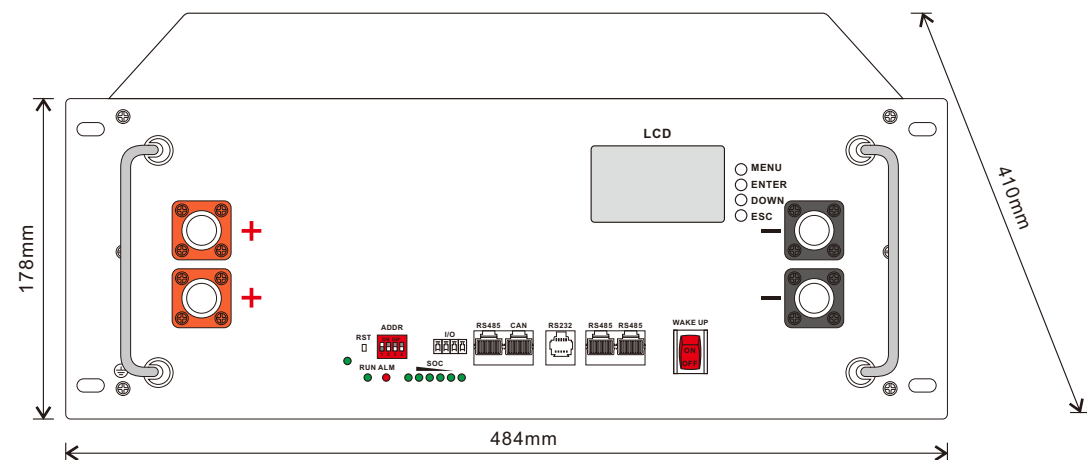


\* The curves maybe different according to specific customer requirement

## Products Specification

Model	SBS-48V100AH	SBS-51.2V100AH
Capacity	4.8KWH	5.12KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	50A	50A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Rack mounted or cabinet	
Max Number of Series	8S	
Max Number Of Parrallel	16P	
Warranty	5 Years	
Communication	CAN/RS485(WiFi/bluetooth/4G optional)	
Product Size	410*484*178mm	
Packing Size	540*510*270mm	
Net Weight	39.5kg	41.5kg
Gross Weight	45.5kg	47.5kg

## Product dimensions





# SBS 48150 Rack Mode Lithium Energy Storage Battery



## Product introduction

The SBS lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



Over Current



Over Voltage



High Temperature



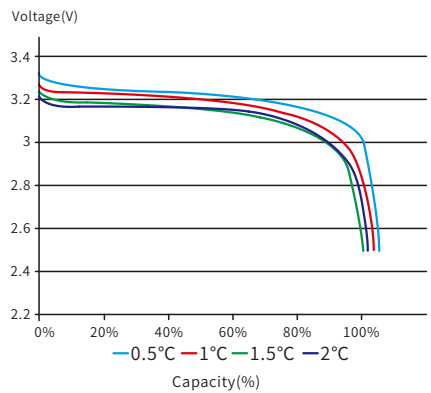
Low Voltage



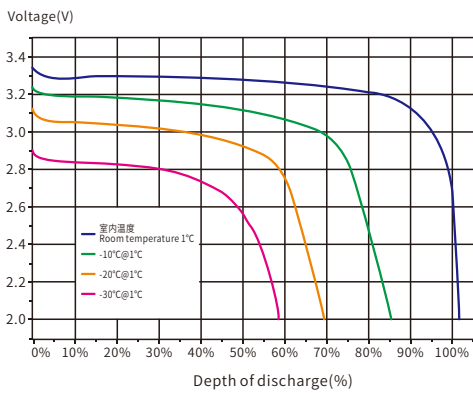
Short Circuit

## Performance curve

(@Different rates)



Typical discharge characteristics at different temperatures

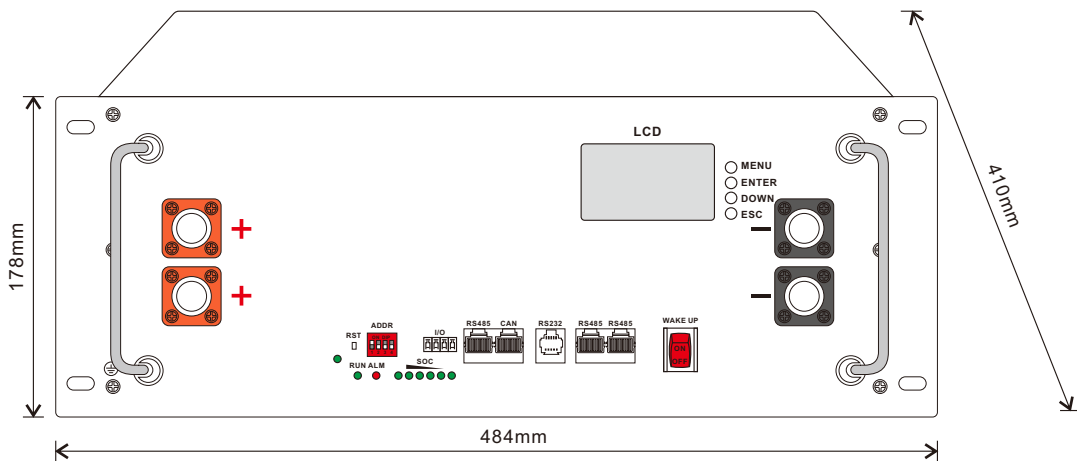


\* The curves maybe different according to specific customer requirement

## Products Specification

Model	SBS-48V150AH	SBS-51.2V150AH
Capacity	7.2KWH	7.68KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	75A	75A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Rack mounted or cabinet	
IP Rating	IP20	
Max Number Of Parrallel	16	
Warranty	5 Years	
Communication	CAN/RS485/RS232( WiFi/bluetooth/4G optional)	
Product Size	590*484*178mm	
Packing Size	730*544*270mm	
Net Weight	55kg	58kg
Gross Weight	62kg	65kg

## Product dimensions



# SBS-Pro 48150 Rack Mode Lithium Energy Storage Battery



## Product introduction

The SBS lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel and 8pcs in series
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



Over Current



Over Voltage



High Temperature



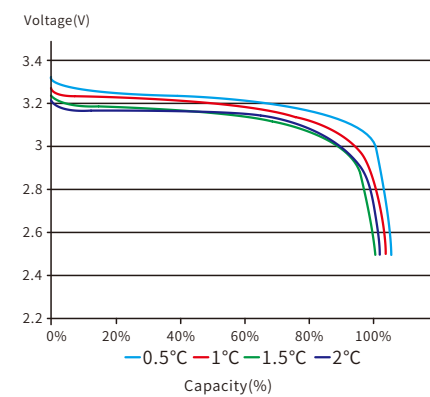
Low Voltage



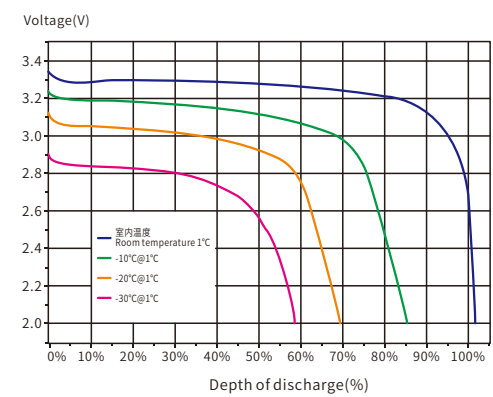
Short Circuit

## Performance curve

(@Different rates)



Typical discharge characteristics at different temperatures

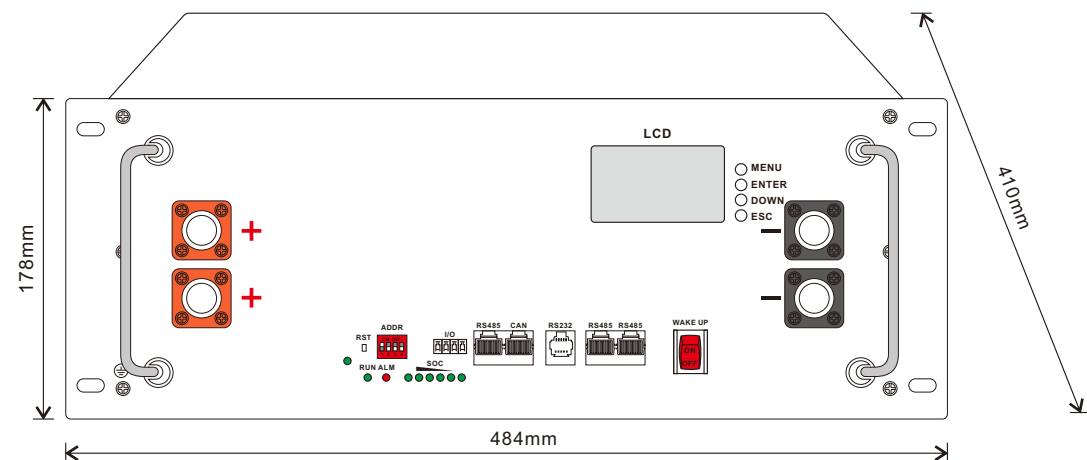


\* The curves maybe different according to specific customer requirement

## Products Specification

Model	SBS-48V150AH	SBS-51.2V150AH
Capacity	7.2KWH	7.68KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	75A	75A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Rack mounted or cabinet	
Max Number of Series	8S	
Max Number Of Parrallel	16P	
Warranty	5 Years	
Communication	CAN/RS485(WiFi/bluetooth/4G optional)	
Product Size	590*484*178mm	
Packing Size	730*544*270mm	
Net Weight	55kg	58kg
Gross Weight	62kg	65kg

## Product dimensions





### Product introduction

The SBS lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

### Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

### Application area

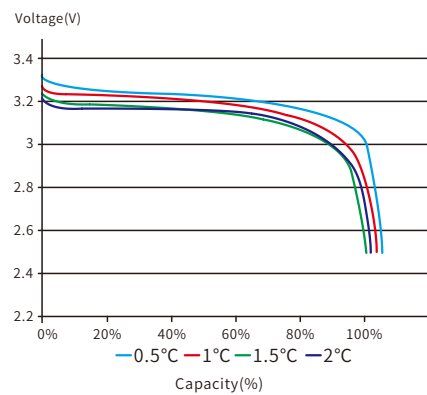
- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

### BMS Protection

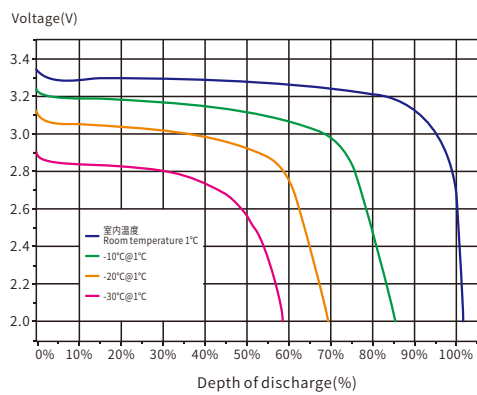


### Performance curve

(@Different rates)



Typical discharge characteristics at different temperatures

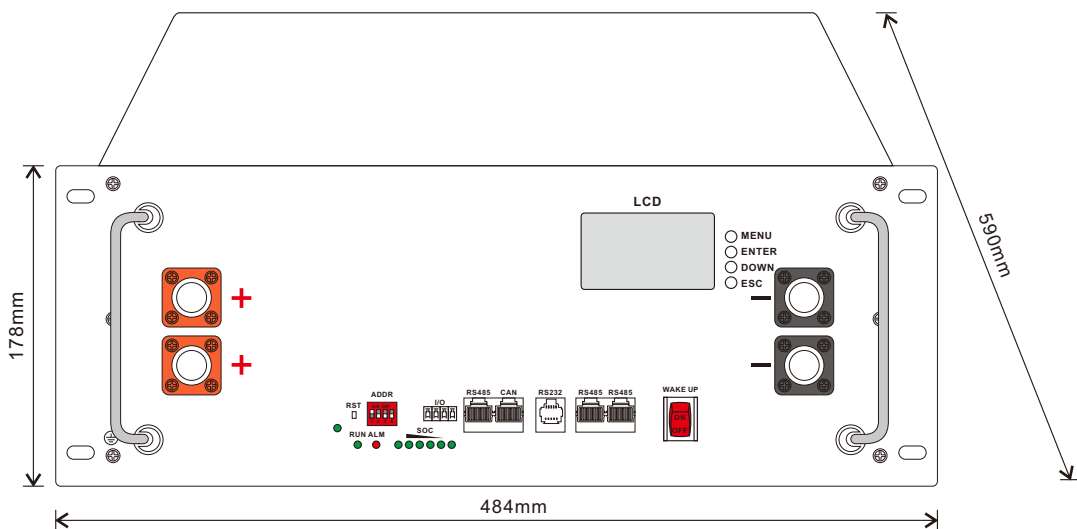


\* The curves maybe different according to specific customer requirement

### Products Specification

Model	SBS-48V200AH	SBS-51.2V200AH
Capacity	9.6KWH	10.24KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	100A	100A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Rack mounted or cabinet	
IP Rating	IP20	
Max Number Of Parrallel	16	
Warranty	5年 / 5 Years	
Communication	CAN/RS485/RS232(WiFi/bluetooth/4G optional)	
Product Size	590*484*178mm	
Packing Size	730*544*270mm	
Net Weight	70.5kg	72.5kg
Gross Weight	78.5kg	80.5kg

### Product dimensions



# SBS-Pro 48200 Rack Mode Lithium Energy Storage Battery



## Product introduction

The SBS lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

## Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ Support 16pcs in parallel and 8pcs in series
- ※ CAN/RS485/WIFI/4G/Blue tooth communication
- ※ BMS customization supported
- ※ Thick shell, well protection for inside cells

## Application area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

## BMS Protection



Over Current



Over Voltage



High Temperature



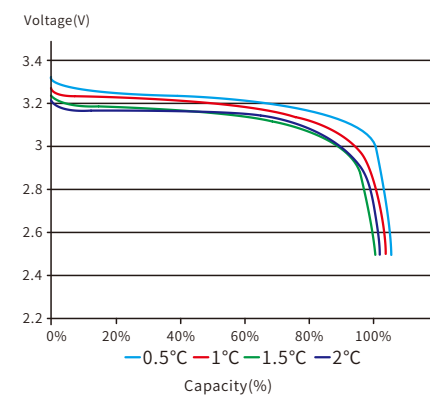
Low Voltage



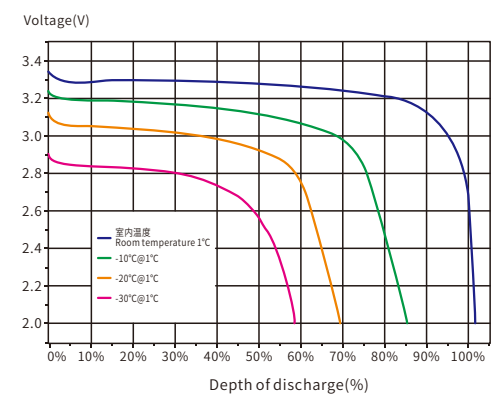
Short Circuit

## Performance curve

(@Different rates)



Typical discharge characteristics at different temperatures

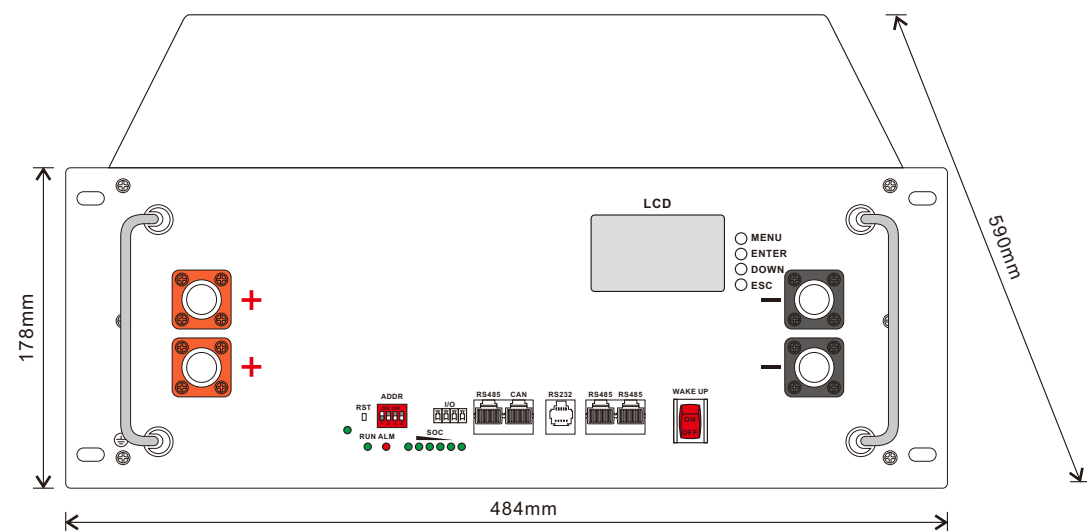


\* The curves maybe different according to specific customer requirement

## Products Specification

Model	SBS-48V200AH	SBS-51.2V200AH
Capacity	9.6KWH	10.24KWH
Standard Discharging Current	50A	50A
Max Discharging Current	100A	100A
Working Voltage	40.5-54VDC	43.2-57.6VDC
Standard Voltage	48VDC	51.2VDC
Max Charging Current	100A	100A
Max Charging Voltage	54V	57.6V
Suggested DOD Model	90%	
Humidity	20-60%	
Installation	Rack mounted or cabinet	
Max Number of Series	8S	
Max Number Of Parrallel	16P	
Warranty	5年 / 5 Years	
Communication	CAN/RS485(WiFi/bluetooth/4G optional)	
Product Size	590*484*178mm	
Packing Size	730*544*270mm	
Net Weight	70.5kg	72.5kg
Gross Weight	78.5kg	80.5kg

## Product dimensions





### Product introduction

The SBT lithium energy storage battery use long working life LiFePO<sub>4</sub> battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

### Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ BMS customization supported
- ※ IP67

### Application area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

### BMS Protection



Over Current



Over Voltage



High Temperature



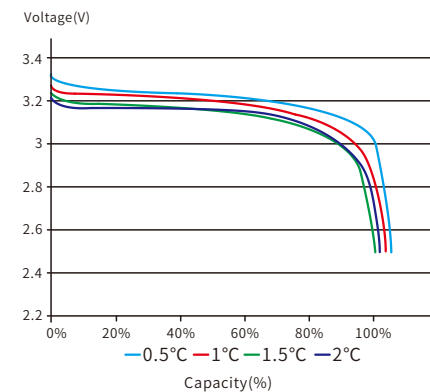
Low Voltage



Short Circuit

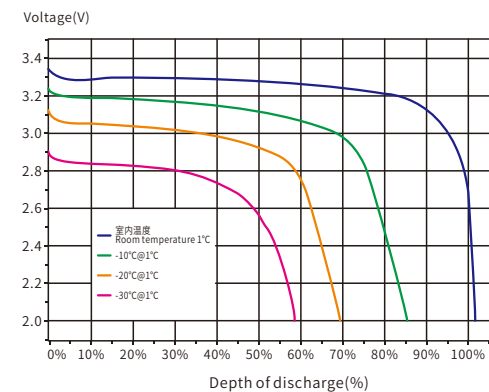
### Performance curve

(@Different rates)



\* The curves maybe different according to specific customer requirement

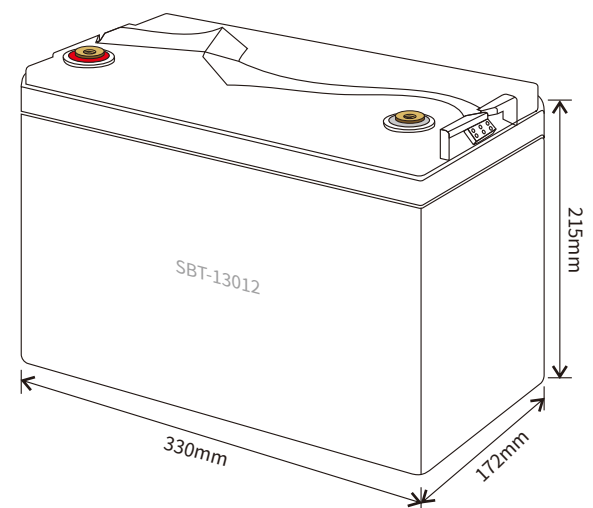
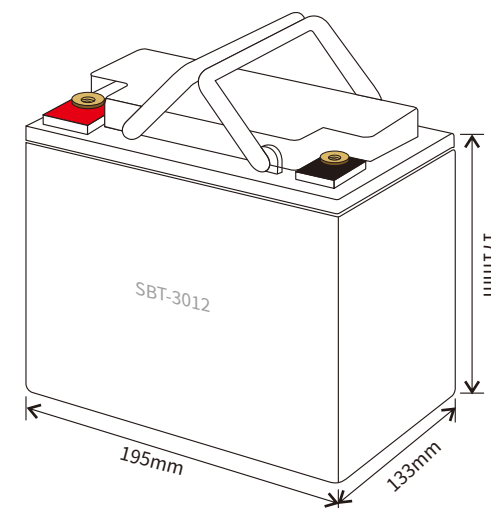
Typical discharge characteristics at different temperatures



### Products Specification

Model	SBT-1212	SBT-3012	SBT-5012	SBT-10012	SBT-13012	SBT-20012	SBT-10024	SBT-10048
Capacity	12V12AH	12V30AH	12V50AH	12V100AH	12V130AH	12V200AH	24V100AH	48V100AH
Continuous Discharge Current	8A	15A	25A	50A	65A	100A	50A	50A
Peak Protection Current	16A	30A	50A	100A	130A	200A	100A	100A
Working Voltage	10-14.6V	10-14.6V	10-14.6V	10-14.6V	10-14.6V	10-14.6V	20-29.2V	37.5-54.75V
Standard Voltage	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	25.6V	48V
Continuous Work Current	8A	15A	25A	50A	65A	100A	50A	50A
Max Charging Voltage	14.6V	14.6V	14.6V	14.6V	14.6V	14.6V	29.2V	54.75V
Suggested DOD Model	80%	80%	80%	80%	80%	80%	80%	80%
Size(mm)	151*99*94	195*133*171	229*138*208	256*165*210	330*172*215	521*238*218	345*190*245	520*267*220
Weight	1.5kg	3.2kg	4.5kg	10kg	13kg	19kg	22kg	33kg
Humidity	≤85%							
Cooling Type	Natural Cooling							
IP Rating	IP67							
Warranty	10 years							

### Product dimensions







### Product introduction

The SBW lithium energy storage battery use long working life LiFePO<sub>4</sub> battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

### Product features

- ※ High power, friendly interface, free combination
- ※ High quality battery cell, precise combination
- ※ BMS customization supported

### Application area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunication, communication, fire fighting system

### BMS Protection



Over Current



Over Voltage



High Temperature



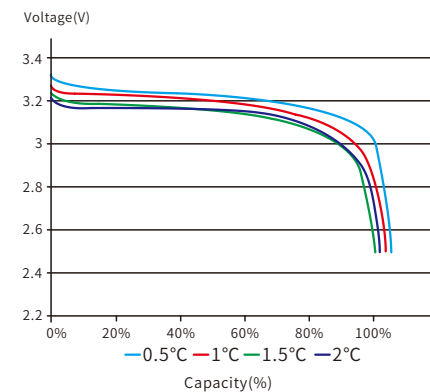
Low Voltage



Short Circuit

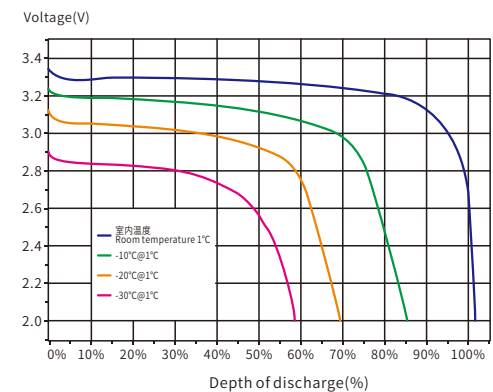
### Performance curve

(@Different rates)



\* The curves maybe different according to specific customer requirement

Typical discharge characteristics at different temperatures



### Products Specification

Model	SBW-10012	SBW-20012	SBW-10024	SBW-41012	SBW-10048	SBW-20048
Capacity	12V100AH	12V200AH	24V100AH	12.8V410AH	48V100AH	48V200AH
Continuous Discharge Current	50A	100A	50A	200A	50A	100A
Peak Protection Current	100A	200A	100A	200A	100A	200A
Working Voltage	10-14.6V	10-14.6V	20-29.2V	10-14.6V	37.5-54.75V	37.5-54.75V
Standard Voltage	12.8V	12.8V	25.6V	12.8V	48V	48V
Continuous Work Current	50A	100A	50A	200A	50A	50A
Max Charging Voltage	14.6V	14.6V	29.2V	14.6V	54.75V	54.75V
Suggested DOD Model	80%	80%	80%	80%	80%	80%
Size(mm)	345*310*275	475*350*275	475*350*275	525*490*275	525*490*275	560*520*320
Weight	12.5kg	22kg	22kg	40kg	40kg	75kg
Humidity	≤85%					
Cooling Type	Natural Cooling					
Warranty	10 years					

### Product dimensions

