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Official website

**CN<sup>+</sup>**  
**GreenCN**

**Lanfang Lithium**

Determined to be a leading provider of energy storage products





OEM  
ODM

## WELCOME TO OUR COMPANY

We promise that all of our batteries are 100% new lithium/lithium iron phosphate batteries, and each and everyone of them has been inspected as qualified before delivered, since we adopt customer-orientation, constant improvement and strict production management as our code of conduct.

## ABOUT US

Dongguan Lanfang Lithium Technology Co., Ltd. Specialized in the research and development, manufacturing, and sales of home energy storage and industrial and commercial energy storage products. Established in 2015 and restructured in 2021. The product has obtained TUV Mark, CE, CB, MSDS certification, as well as a complete set of UN38.3 transportation certification. The certification is complete, and the product is exported to more than 80 countries worldwide. It has a 7000 square meter factory and office area, and an intelligent and automated manufacturing system. Committed to producing environmentally friendly, high-quality, and efficient products to meet the needs of global customers; Committed to developing green, low-carbon, safe, reliable, and sustainable renewable energy to achieve the global vision of a green earth.





# PRODUCT DIRECTORY

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## Advantages of battery cells



- The full range of products build-in brand EVE lithium iron phosphate cells
- The quality of cells is certified by authority

Material safety, electrical safety, system safety as product development, The core foundation of manufacturing ensures the safety and reliability of the whole life cycle.



- Comprehensive testing and experimental verification

Extrusion verification  
Fire verification  
Impact verification  
Waterproof verification

- High cycle times-long life
- With excellent performance to meet the needs of long-term high frequency use

- High standard battery - stable and safe

It adopts safe and long-life LFP material, which is suitable for application scenarios with high frequency and high safety requirements

- Brand EVE Authorization Letter







European standard-Wall-Mounted Battery Packs



Product Advantages

- Intelligent Battery Management System (BMS), Intelligent Current Blocker, Quadruple Safety Protection: Voltage Protection, Temperature Protection, and Current Dual Protection;IP54
- Built in fire protection module, 15S fast flame retardant
- Convenient installation;Supports well connection, up to 16 units can be connected in parallel

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places



Basic Specifications

Power supply model	LF-WPS-51.2V100AH	LF-WPS-51.2V200AH
Nominal voltage	51.2V	
Nominal capacity	100Ah/5.12KWh	200Ah/10.24KWh
Charging protection voltage	56.8V	
Discharge protection voltage	46.4V	
Recommended charging current	≤50A	
Maximum charging current	≤95A	
Recommended discharge current	≤50A	
Maximum discharge current	≤105A	
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)	
Charging temperature	5~55°C	
Operating temperature	-20~60°C	
Battery weight	≈52.5kg	≈96kg
Battery size	548*480*204mm (Adjustable)	743*585*202mm (Adjustable)
Certification	CE、CB、TUV Mark、MSDS、UN38.8	
Communication mode	RS485/RS232/CAN	
Adaptable inverter (can customized)	<b>485</b> : PYLONTECH、TOPBAND、GROWATT、LUXPOWER、CPSYPOWER、SRNE、Felicity solar、ANC、Shark TopSu <b>CAN</b> : PYLONTECH、Deye、TOPBAND、GROWATT、LUXPOWER、GOODWE、SOFAR、INVT、MEGAREVO、GINLONG、AFORE、SOROUPS、CFAT、BEITT、MUST、SMA、SACOLAR、TBB	
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European standard-Rack Battery Packs



Product Advantages

- Intelligent Battery Management System (BMS), Intelligent Current Blocker, Quadruple Safety Protection: Voltage Protection, Temperature Protection, and Current Dual Protection;IP54
- Built in fire protection module, 15S fast flame retardant
- Small size, light weight, long service life, and high temperature resistance; Supports well connection, up to 16 units can be connected in parallel

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places



Basic Specifications

Power supply model	LF-HPS-51.2V100Ah	LF-HPS-51.2V200Ah
Nominal voltage	51.2V	
Nominal capacity	100Ah/5.12kWh	200Ah/10.24kWh
Charging protection voltage	56.8V	
Discharge protection voltage	46.4V	
Recommended charging current	≤50A	
Maximum charging current	≤95A	
Recommended discharge current	≤50A	
Maximum discharge current	≤105A	
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)	
Charging temperature	5~55°C	
Operating temperature	-20~60°C	
Battery weight	≈43.5Kg	≈84Kg
Battery size	473*482*133mm (Adjustable)	759*553*146mm (Adjustable)
Certification	CE、CB、TUV Mark、MSDS、UN38.8	
Communication mode	RS485/RS232/CAN	
Adaptable inverter (can customized)	<b>485:</b> PYLONTECH、TOPBAND、GROWATT、LUXPOWER、CPSYPOWER、SRNE、Felicity solar、ANC、Shark TopSu <b>CAN:</b> PYLONTECH、Deye、TOPBAND、GROWATT、LUXPOWER、GOODWE、SOFAR、INVT、MEGAREVO、GINLONG、AFORE、SOROUPS、CFAT、BEITT、MUST、SMA、SACOLAR、TBB	

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European standard-Stackable Battery Packs



Product Advantages

- Intelligent Battery Management System (BMS), Intelligent Current Blocker, Quadruple Safety Protection: Voltage Protection, Temperature Protection, and Current Dual Protection;IP54
- Built in fire protection module, 15S fast flame retardant
- Modular stacked design, capable of stacking 16 modules

Applications

- Electricity at home, shopping malls, supermarkets, hotels and other public places

Basic Specifications

Power supply model	LF-PS-51.2V100AH	4 Modul	5 Modul	6 Modul
Nominal voltage	51.2V			
Nominal capacity	100Ah/5.12KWh	400Ah/20.48KWh	500Ah/25.60KWh	600Ah/30.72KWh
Charging protection voltage	56.8V			
Discharge protection voltage	46.4V			
Recommended charging current	≤50A			
Maximum charging current	≤95A			
Recommended discharge current	≤50A			
Maximum discharge current	≤105A			
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)			
Charging temperature	5~55°C			
Operating temperature	-20~60°C			
Battery weight	≈53.5kg	≈243kg	≈296.5kg	≈350kg
Battery size	580*490*200mm (Adjustable)	580*490*855mm (Adjustable)	580*490*1025mm (Adjustable)	580*490*1195mm (Adjustable)
Certification	CE、CB、TUV Mark、MSDS、UN38.8			
Communication mode	RS485/RS232/CAN			
Adaptable inverter (can customized)	<b>485:</b> PYLONTECH、TOPBAND、GROWATT、LUXPOWER、CPSYPOWER、SRNE、Felicity solar、ANC、Shark TopSu <b>CAN:</b> PYLONTECH、Deye、TOPBAND、GROWATT、LUXPOWER、GOODWE、SOFAR、INVT、MEGAREVO、GINLONG、AFORE、SOROUPS、CFAT、BEITT、MUST、SMA、SACOLAR、TBB			
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# ENERGY STORAGE SYSTEM





# Wall-Mounted Battery Packs

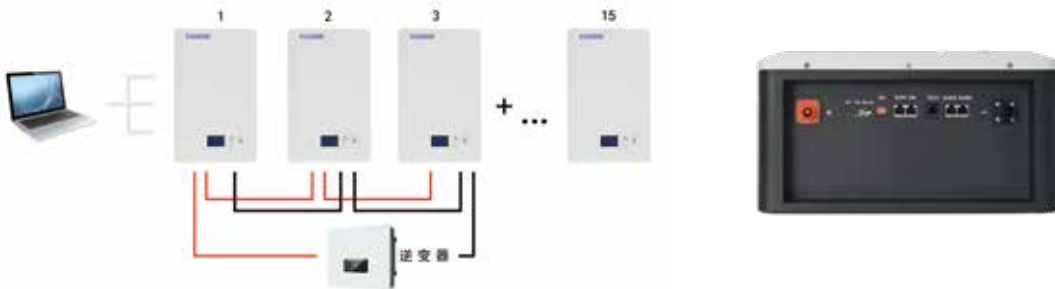


## Product Advantages

- Built-in LiFePO4 Battery cells. Large capacity, long cycle life, high safety, environmental protection;IP54
- Intelligent communication;Supports well connection, up to 16 units can be connected in parallel
- Built in fire protection module, 15S fast flame retardant

## Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places



## Basic Specifications

Power supply model	LF-WPS-48V100AH	LF-WPS-48V200AH	LF-WPS-51.2V100AH	LF-WPS-51.2V200AH
Nominal voltage	48V		51.2V	
Nominal capacity	100Ah/4.8KWh	200Ah/9.6KWh	100Ah/5.12KWh	200Ah/10.24KWh
Charging protection voltage	53.25V		56.8V	
Discharge protection voltage	43.5V		46.4V	
Recommended charging current	≤50A	≤100A	≤50A	≤100A
Maximum charging current	≤100A	≤200A	≤100A	≤200A
Recommended discharge current	≤50A	≤100A	≤50A	≤100A
Maximum discharge current	≤105A	≤200A	105A	200A
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)			
Charging temperature	5~55°C			
Operating temperature	-20~60°C			
Product weight	≈44kg	≈92kg	≈46kg	≈96kg
Product size	575*360*190mm (Adjustable)	575*535*270mm (Adjustable)	575*360*190mm (Adjustable)	575*535*270mm (Adjustable)
Certification	CE、MSDS、UN38.3			
Communication mode	RS485/RS232/CAN			
Adaptable inverter (can customized)	485: PYLONTECH、TOPBAND、GROWATT、LUXPOWER、CPSYPOWER、SRNE、Felicity solar、ANC、Shark TopSu CAN: PYLONTECH、Deye、TOPBAND、GROWATT、LUXPOWER、GOODWE、SOFAR、INVT、MEGAREVO、GINLONG、AFORE、SOROUPS、CFAT、BEITT、MUST、SMA、SACOLAR、TBB			
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Rack Battery Packs



Product Advantages

- Built-in LiFePO4 Battery cells. Large capacity, long cycle life, high safety, environmental protection; IP54
- Intelligent communication; Built in fire protection module, 15S fast flame retardant
- Built-in BMS control board; Supports well connection, up to 16 units can be connected in parallel

Applications

Home electricity, field work, tower base station



Basic Specifications

Power supply model	LF-HPS-48V100AH	LF-HPS-48V200AH	LF-HPS-51.2V100AH	LF-HPS-51.2V200AH
Nominal voltage	48V		51.2V	
Nominal capacity	100Ah/4.8KWh	200Ah/9.6KWh	100Ah/5.12KWh	200Ah/10.24KWh
Charging protection voltage	53.25V		56.8V	
Discharge protection voltage	43.5V		46.4V	
Recommended charging current	≤50A	≤100A	≤50A	≤100A
Maximum charging current	≤100A	≤200A	≤100A	≤200A
Recommended discharge current	≤50A	≤100A	≤50A	≤100A
Maximum discharge current	≤105A	≤200A	≤105A	≤200A
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)			
Charging temperature	5~55°C			
Operating temperature	-20~60°C			
Product weight	≈41.5Kg	≈83Kg	≈43.5Kg	≈87Kg
Product size	473*482*133mm (Adjustable)	759*553*146mm (Adjustable)	473*482*133mm (Adjustable)	259*553*146mm (Adjustable)
Certification	CE、MSDS、UN38.3			
Communication mode	RS485/RS232/CAN			
Adaptable inverter (can customized)	485: PYLONTECH、TOPBAND、GROWATT、LUXPOWER、CPSYPOWER、SRNE、Felicity solar、ANC、Shark TopSu CAN: PYLONTECH、Deye、TOPBAND、GROWATT、LUXPOWER、GOODWE、SOFAR、INVT、MEGAREVO、GINLONG、AFORE、SOROUPS、CFAT、BEITT、MUST、SMA、SACOLAR、TBB			

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# High Voltage Battery System



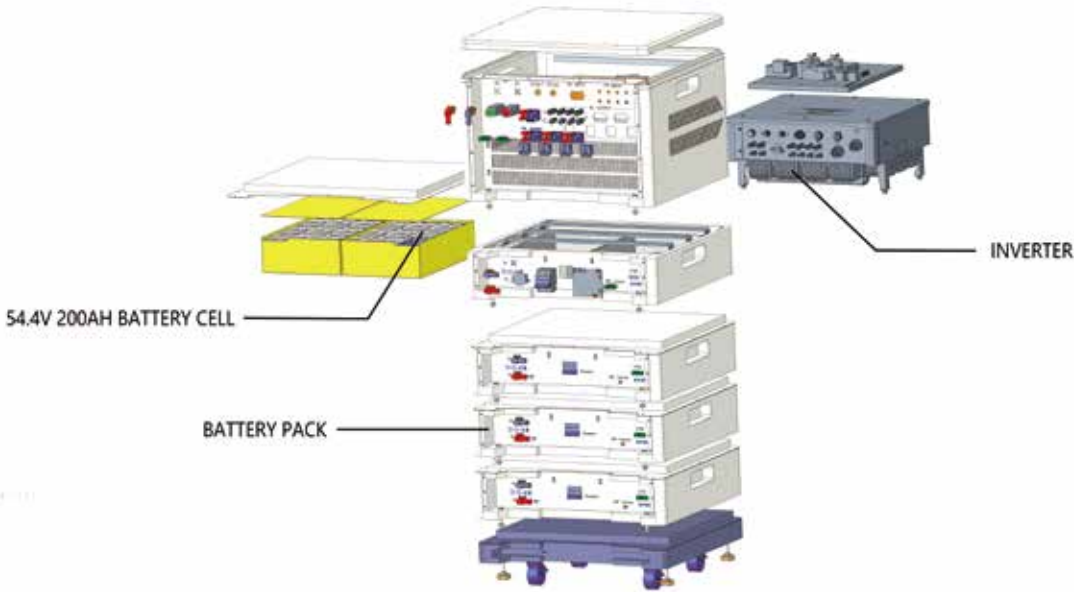
## Product Advantages

- Built-in LiFePO4 Battery cells. High energy and power, high energy density, wide operating temperature range, long service life;IP54
- Adopt advanced high voltage inverter technology, greatly reduce energy consumption, improve power efficiency, safe and reliable, designed for battery series high voltage and low current mode, can better protect the battery, prolong the battery life, safety is also greatly improved
- Two-channel MPPT solar input setting, integrated PV PV and energy storage, more flexible configuration
- Supports three-phase independent output
- Provides the UPS function to ensure stable operation of critical loads; Built in fire protection module, 15S fast flame retardant
- Flexible monitoring mode, support RS485,Wifi, Ethernet, 4G(optional)

## Basic Specifications

Power supply model	LF-SS-10KW	AC Standard discharge current	16A
Rated power	10KW	AC Maximum discharge current	30A
Peak power	11KW	Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)
Nominal voltage	217.6V	Communication mode	RS485/CAN
Nominal capacity	40KWh	Charging temperature	5~55°C
Recommended Charge Voltage	248.2V	Operating temperature	-20~60°C
Discharge cut-off voltage	183.6V	Product weight	≈600Kg
AC Standard charging current	≤29A	Product size	740*710*1330mm(Adjustable)

\*Can be customized according to the needs, the final interpretation of this product is owned by the company, subject to change without prior notice





# Low Voltage Rack-mounted Battery Packs



## Product Advantages

- Built-in LiFePO4 Battery cells. Large capacity, long cycle life, high safety, environmental protection;IP54
- Intelligent communication;Built in fire protection module, 15S fast flame retardant
- Support parallel capacity expansion, frame design structure, to meet the demand of large capacity power

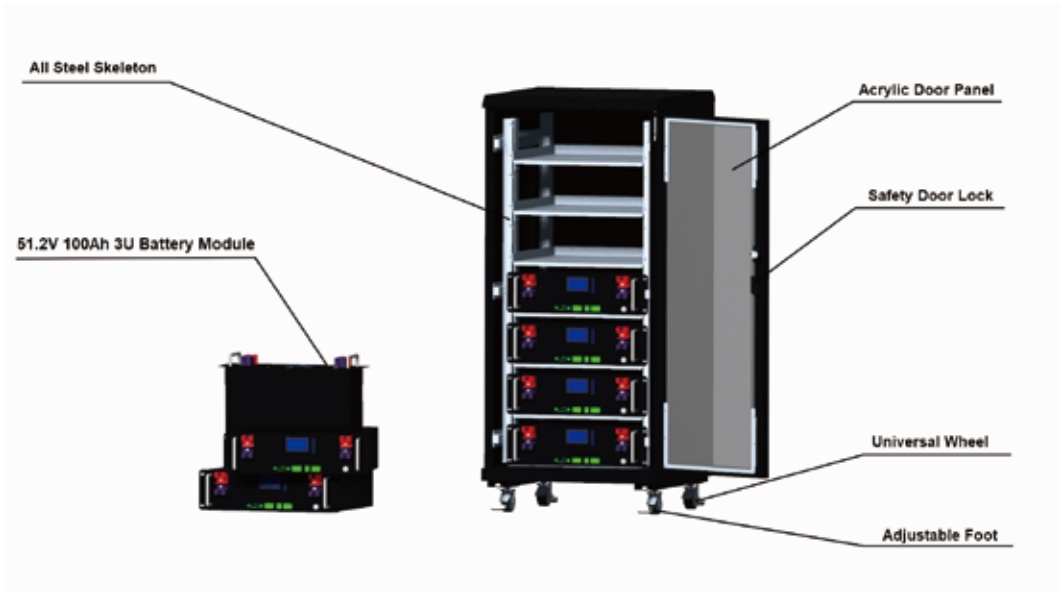
## Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places



## Basic Specifications

Power supply model	LF-GS-51.2V600AH		
Single battery pack Maximum discharge current	105A	Recommended discharge current	≤50A
Nominal voltage	51.2V	Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)
Nominal capacity	600Ah/30.72KWh	Communication mode	RS485/RS232/CAN
Charging protection voltage	56.8V	Charging temperature	5~55°C
Discharge protection voltage	46.4V	Operating temperature	-20~60°C
Recommended charging current	≤50A	Product weight	≈355Kg
Maximum charging current	≤95A	Product size	605*605*1370mm(Adjustable)
Certification	CE、MSDS、UN38.3		
Communication mode	RS485/RS232/CAN		
Adaptable inverter (can customized)	485: PYLONTECH、TOPBAND、GROWATT、LUXPOWER、CPSYPOWER、SRNE、Felicity solar、ANC、Shark TopSu CAN: PYLONTECH、Deye、TOPBAND、GROWATT、LUXPOWER、GOODWE、SOFAR、INVT、MEGAREVO、GINLONG、AFORE、SOROUPS、CFAT、BEITT、MUST、SMA、SACOLAR、TBB		
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# Hight Voltage-Rack-mounted Battery Packs



## Product Advantages

- High voltage, low current, low loss;IP54
- Modular design, easy installation; Multiple protections for the master and slave control systems, with high safety performance
- Built in fire protection module, 15S fast flame retardant

## Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places



# Basic Specifications

## Machine Parameters

Model	LF-SS-48V65Ah	LF-SS-48V80AH	LF-SS-48V100Ah
storage power supply Nominal voltage	384V		
storage power supply Nominal capacity	384V 65Ah/24.5KWh	384V 80Ah/30.7KWh	384V 100Ah/38.4KWh
storage power supply size	≈800x600x2000mm	≈1100x850x1265mm	≈1100x850x1315mm
Charging protection voltage	426V		
Discharge protection voltage	348V		
storage power supply weight	≈500Kg	≈600Kg	≈660Kg

## Single battery data (8 battery modules per set)

Power supply model	LF-SS-48V65Ah	LF-SS-48V80AH	LF-SS-48V100Ah
Nominal voltage	48 V		
Nominal capacity	65Ah/3120Wh	80Ah/3840Wh	100Ah/4800Wh
Charging protection voltage	54.75V		
Discharge protection voltage	40.5V		
Recommended charging current	≤32A	≤40A	≤50A
Maximum charging current	65A	80A	100A
Recommended discharge current	≤32A	≤40A	≤50A
Maximum discharge current	65A	80A	100A
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)		
Communication mode	RS485/RS232/CAN		
Charging temperature	5~55°C		
Operating temperature	-20~60°C		
Battery weight	≈35Kg	≈36kg	≈40kg
Battery size	620*482*133mm (Adjustable)	580*482*133mm (Adjustable)	580*482*140mm (Adjustable)
Certification	MSDS、UN38.3		
Adaptable inverter、UPS (can customized)	PYLONTECH、Deye、GSSTES、GROWATT、GOODWE、MEGAREVO、SOFAR、ATESS		

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Large Capacity Rack Battery Packs



Product Advantages

- Built-in LiFePO4 Battery cells. Large capacity, long cycle life, high safety, environmental protection; IP54
- Intelligent communication; Built in fire protection module, 15S fast flame retardant
- Built in fire protection module, 15S fast flame retardant

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places



Basic Specifications

Power supply model	LF-HPS-51.2V230Ah	LF-HPS-51.2V280Ah
Nominal voltage	51.2V	
Nominal capacity	230Ah/11.776kWh	280Ah/14.336kWh
Charging protection voltage	56.8V	
Discharge protection voltage	46.4V	
Recommended charging current	≤50A	≤100A
Maximum charging current	≤95A	≤190A
Recommended discharge current	≤50A	≤100A
Maximum discharge current	≤105A	≤200A
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)	
Charging temperature	5~55°C	
Operating temperature	-20~60°C	
Battery weight	≈100Kg	≈116Kg
Battery size	596*650*233mm (Adjustable)	596*650*233mm (Adjustable)
Certification	CE、MSDS、UN38.8	
Communication mode	RS485/RS232/CAN	
Adaptable inverter (can customized)	<b>485:</b> PYLONTECH、TOPBAND、GROWATT、LUXPOWER、CPSYPOWER、SRNE、Felicity solar、ANC、Shark TopSu <b>CAN:</b> PYLONTECH、Deye、TOPBAND、GROWATT、LUXPOWER、GOODWE、SOFAR、INVT、MEGAREVO、GINLONG、AFORE、SOROUPS、CFAT、BEITT、MUST、SMA、SACOLAR、TBB	

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12V/24V LiFePO4 Battery Packs



Product Advantages

- Built-in LiFePO4 Battery cells. Large capacity, long cycle life, high safety, environmental protection; IP65
- Intelligent communication
- Fashionable appearance

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places



Basic Specifications

Power supply model	LF-HPS-12V7Ah	LF-HPS-12V100Ah	LF-HPS-12V200Ah
Nominal voltage	12.8V	12.8V	12.8V
Nominal capacity	7AH/89.6Wh	100AH/1280Wh	200AH/2560Wh
Charge Current	≤0.05C	≤0.05C	≤0.05C
Maximum Charge Current	5A	100A	200A
Recommended Charge Voltage	14.6V	14.6V	14.6V
BMS Charge Voltage Cut-Off	14.6V (3.65±0.025vpc)	14.6V (3.65±0.025vpc)	14.6V (3.65±0.025vpc)
Reconnect Voltage	14.2V (3.55 ±0.10vpc)	14.2V (3.55 ±0.10vpc)	14.2V (3.55 ±0.10vpc)
Maximum Continuous Discharge Current	5A	100A	200A
BMS Discharge Current Cut-Off	5A	100A	200A
Discharge Temperature	-20 to 60°C (-4 to 140 °F)	-20 to 60°C (-4 to 140 °F)	-20 to 60°C (-4 to 140 °F)
Product weight	≈1.58Kg	≈10.33Kg	≈19.05Kg
Product size	151*65*95mm	330*173*221mm	522*238*222mm
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Golf Cart Battery



Product Advantages

- Built in power type lithium iron phosphate power battery. Large capacity, long cycle life, high safety, green and environmentally friendly;IP65
- Customizable design with multiple communication options
- Built in fire protection module, 15S fast flame retardant



Basic Specifications

Nominal voltage	51.2V
Nominal capacity	100Ah/5.12KWh
Composition	16S1P
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)
Charging protection voltage	56.8V
Discharge protection voltage	46.4V
Recommended charging current	≤10~20A
Maximum charging current	≤200A
Recommended discharge current	≤100A
Maximum discharge current	≤200A
Charging temperature range	5~55°C
Discharge temperature range	-20~60°C
Product size	480*334*235mm
Product weight	46.5kg
Options	screen、charger、charge socket
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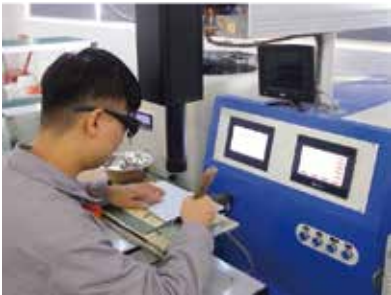
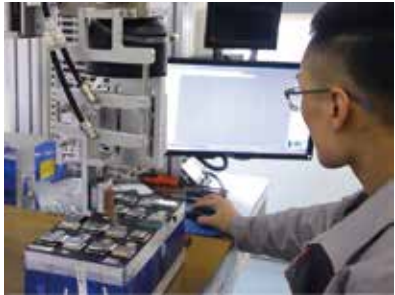
Company Presentation



Exhibition



Factory Display



Products workshop



Products workshop



Products workshop



Products testing

Finished product warehouse

Full container shipment





Qualification Certification

