EVERGEN

Super safe
Strong power
Fast charging
Long term storage
LITHIUM IRON PHOSPHATE BATTERY
Environmental protection
Lightweight
Long life

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EVERGEN

LITHIUM IRON PHOSPHATE BATTERY PRODUCT MANUAL

LiFePO4 **All-weather**

HUIZHOU AOKAILAI ENERGY TECHNOLOGY CO., LTD.

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LITHIUM IRON PHOSPHATE BATTERY
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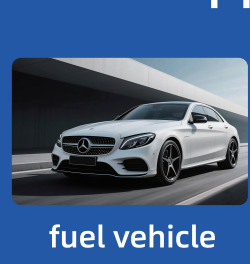
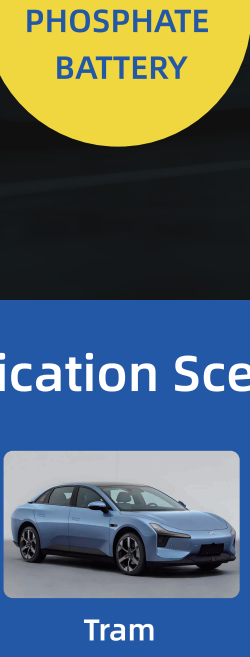
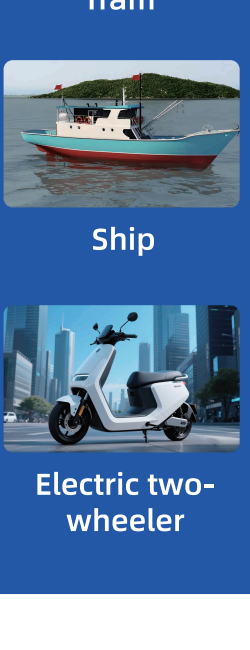
Application Scenarios


fuel vehicle


Tram

Truck

Motorcycle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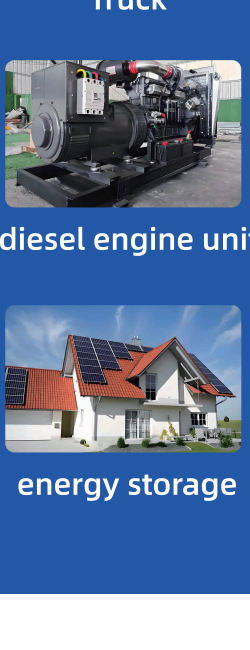

diesel engine unit

Standby power supply

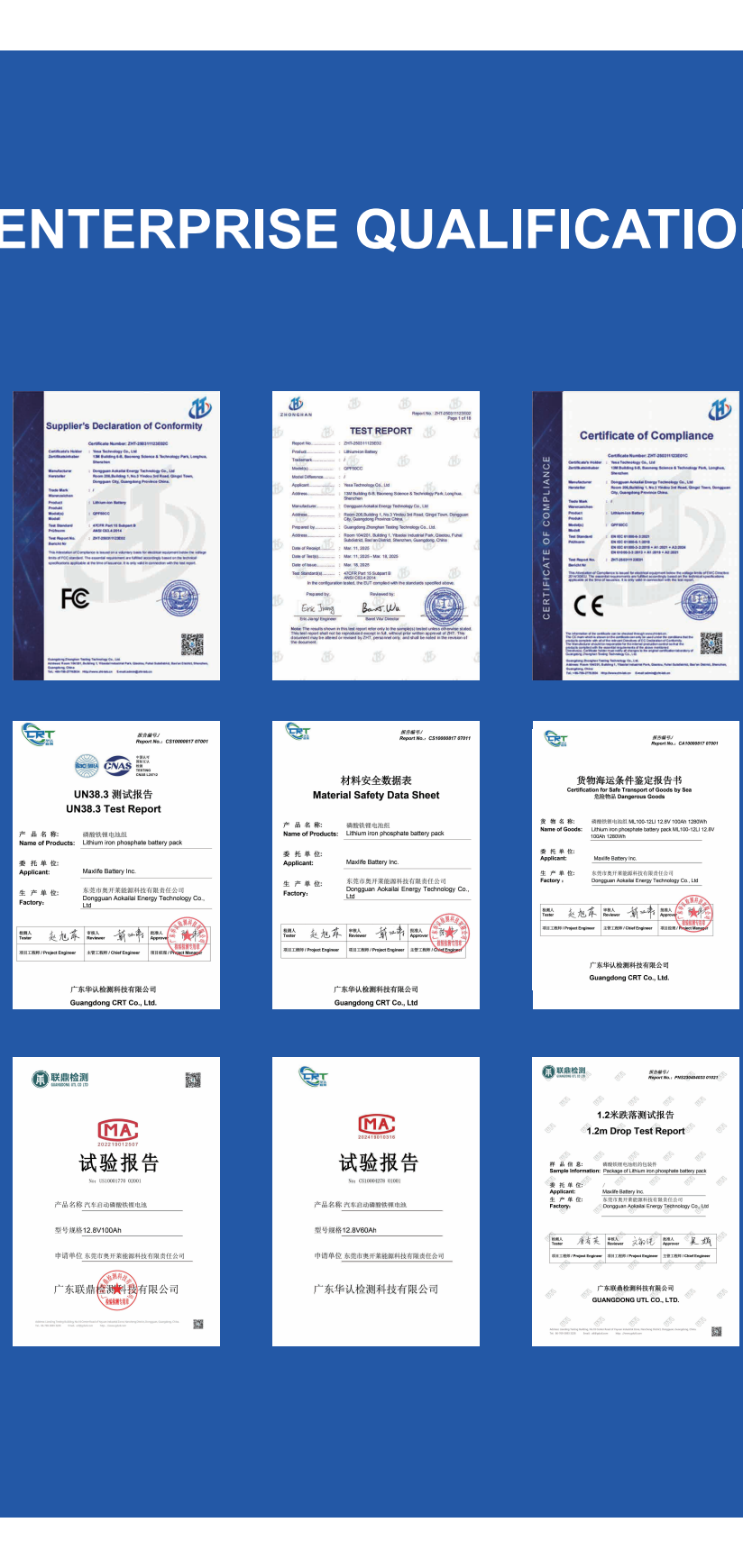
Electric two-wheeler

energy storage

COMPANY PROFILE

Dongguan Aokailai Import and Export Co., Ltd. is a Taiwan-funded enterprise that has been producing lithium iron phosphate battery pack components, car start-stop batteries, motorcycle start-up batteries, energy storage batteries and power adapters, and smart chargers for 16 years: the company integrates research and development, manufacturing, Sales and service are integrated, and there are branches in the United States and Taiwan; the company takes "high-quality products, high-quality services, continuous improvement, common development, full participation, scientific management, perfect pursuit, excellence" as its quality policy to provide customers with safe, reliable and high-quality products and services.

ENTERPRISE QUALIFICATION


Supplier's Declaration of Conformity
TEST REPORT
Certificate of Compliance
UN38.3 测试报告
UN38.3 Test Report
材料安全数据表
Material Safety Data Sheet
货物海运条件鉴定报告书
试验报告
试验报告
1.2米跌落测试报告
1.2m Drop Test Report

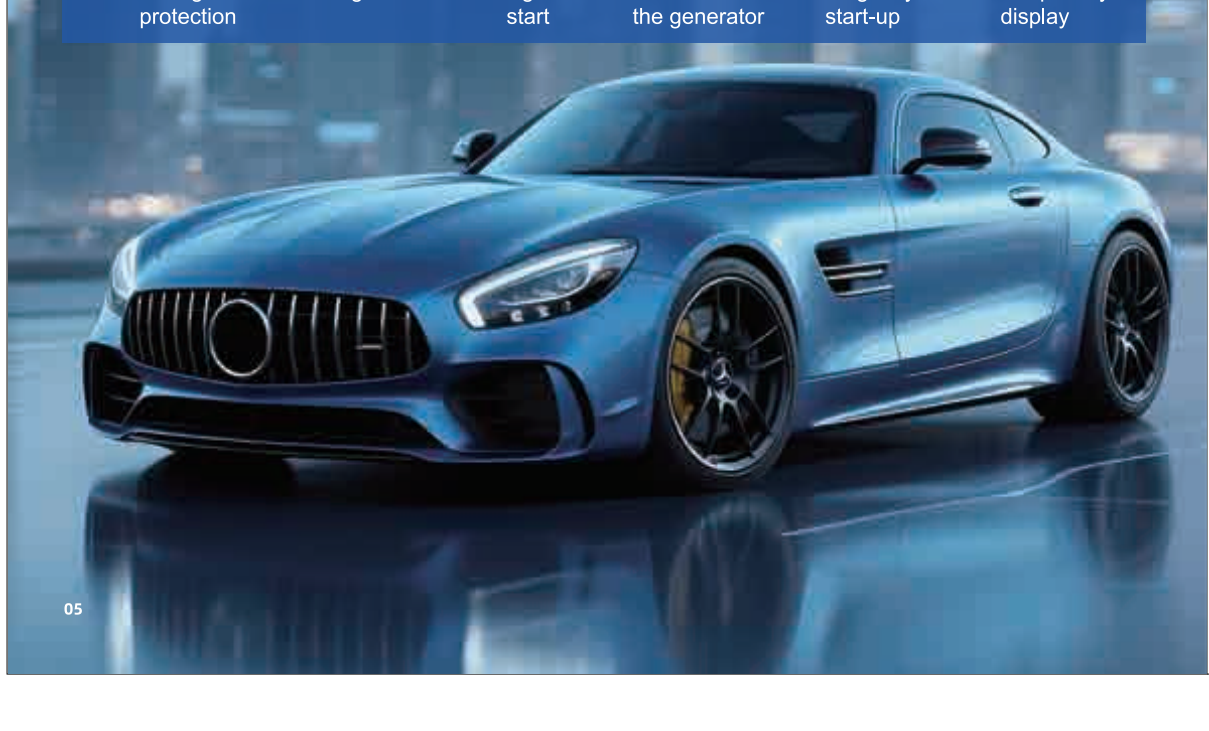
LiFePO4 **All-weather**

Automotive lithium iron phosphate starting battery

Product features:

As automobile equipment becomes more and more advanced, the power consumption is increasing, such as start-stop function, electric steering wheel, steering wheel heating, electric seat, seat heating and ventilation massage, electric sunroof, electric tailgate, electric pedal, electromagnetic suspension, Car refrigerators, audio modification, etc., ordinary batteries are no longer able to cope, resulting in shortened battery life, insufficient voltage, and damage to the car electrical system. Aucailai's intelligent start-stop lithium iron phosphate batterylithium iron phosphate battery adopts high-rate lithium iron phosphate batteries and advanced intelligent charge and discharge protection circuits to provide sufficient and stable power for the car, enhance the brightness of the car lights, improve the sound quality, and improve the low-temperature start performance. The efficiency of power equipment such as gasoline pumps and spark plugs makes gasoline burn more fully, effectively reduces fuel consumption, greatly improves power and reaction performance, and has the unparalleled superiority and cost performance of lead-acid batteries, it is an ideal upgrade product for lead-acid batteries.

- BMS Intelligent protection
- Long life
- Strong cold start
- Do not burn the generator
- Emergency start-up
- Electric quantity display



PRODUCT PARAMETERS:

Model	Voltage (V)	Capacity (Ah)	Energy (Wh)	Current (CCA)	Product size (L * W * H)
B19-RL	12.8	36	460.8	>600	197*128*200/220MM
B24-RL	12.8	45	576	>700	238*133*198/222MM
H4/LN1-RL	12.8	45	576	>700	207*175*180MM
213-RL	12.8	55	704	>700	230*175*162/183MM
55D23-RL	12.8	60	768	>800	230*175*181/200MM
55D26-RL	12.8	60	768	>800	260*175*201/221MM
H5/LN2-RL	12.8	60	768	>800	244*176*197MM
70D23-RL	12.8	70	896	>1000	230*174*200/219MM
H5/LN2-RL	12.8	70	896	>1000	244*176*197MM
80D26-RL	12.8	70	896	>1000	260*175*201/221MM
95D31-RL	12.8	70	896	>1000	306*174*200/220MM
T6-L	12.8	70	896	>1000	278*176*172MM
H6/LN3-L	12.8	70	896	>1000	278*175*189MM
H7/LN4-L	12.8	80	1024	>1000	318*176*187MM
H8/LN5-L	12.8	90	1152	>1000	355*175*188MM
H9/LN6-L	12.8	110	1408	>1200	398*175*188MM

APP INTELLIGENT CONTROL

Can be remotely controlled by Bluetooth connection applets, battery settings, one hand control; battery status, at a glance.

POWER CHECK
Through a small program, you can view the battery condition, real-time power voltage, and bid farewell to power loss caused by excessive power consumption.

ONE KEY STRONG START
One key activates the undervoltage power supply to realize emergency power supply for 60S, bid farewell to the trailer fire, and ensure the smooth start of the truck in extreme cases.

RESERVATION HEATING
The automatic heating time is set through a small program to realize that the battery can reach the appropriate temperature before the vehicle starts.

83.3%
GPS定位
轨迹追踪
预约加热
一键强启

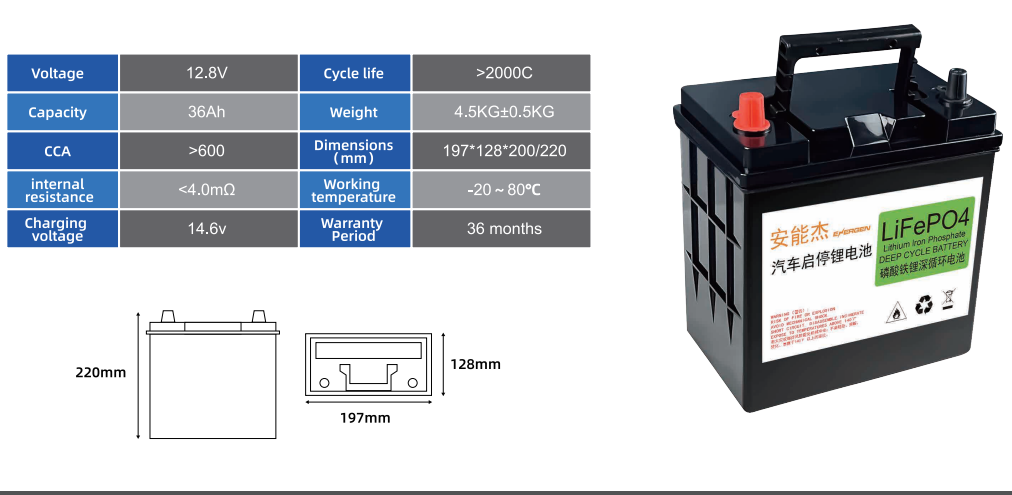
GPS POSITIONING

Small programs and APP can view positioning, track tracking and prevent battery theft in real time.

B19-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

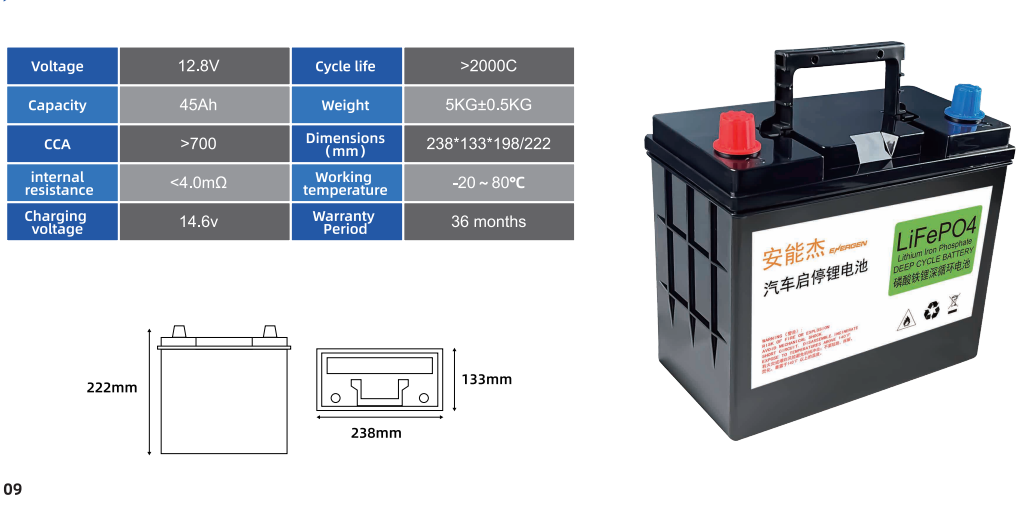
Voltage	12.8V	Cycle life	>2000C
Capacity	36Ah	Weight	4.5KG±0.5KG
CCA	>600	Dimensions (mm)	197*128*200/220
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



B24-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

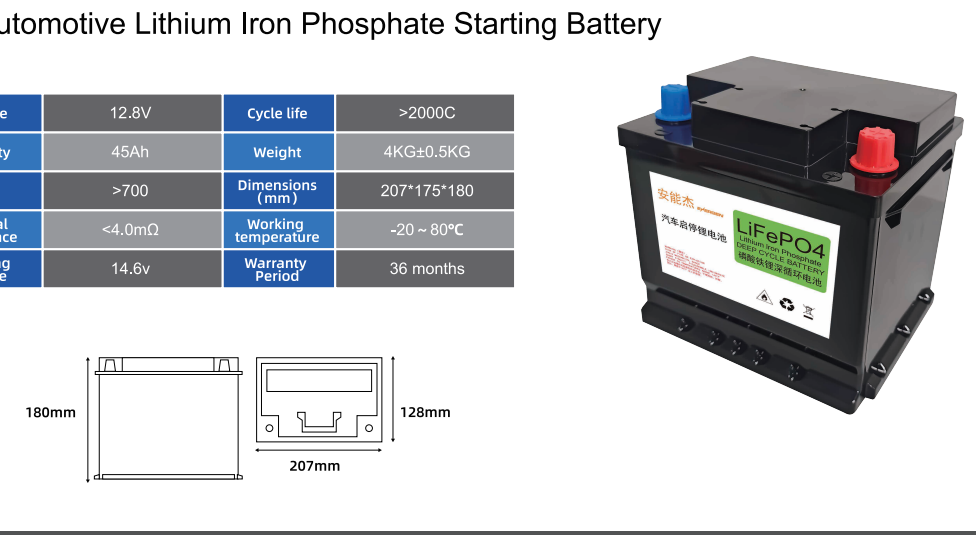
Voltage	12.8V	Cycle life	>2000C
Capacity	45Ah	Weight	5KG±0.5KG
CCA	>700	Dimensions (mm)	238*133*198/222
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H4/LN1-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

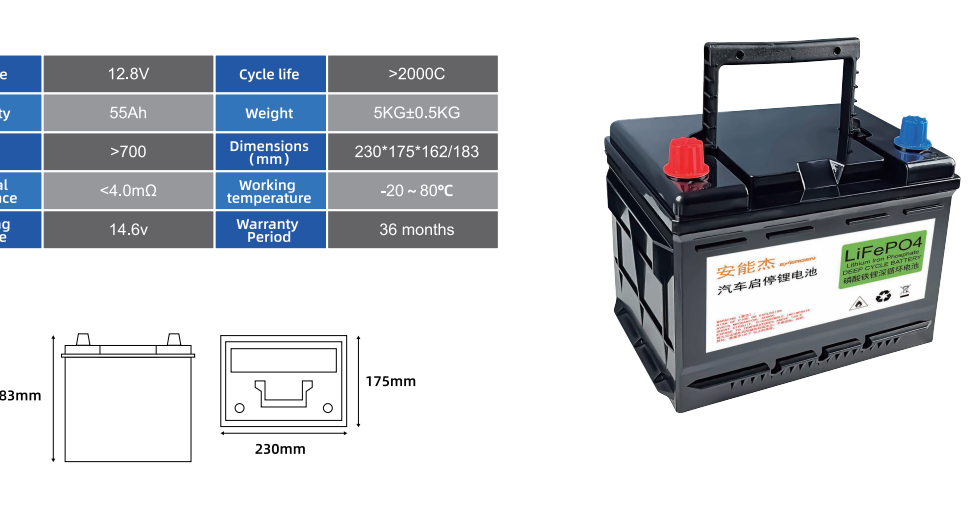
Voltage	12.8V	Cycle life	>2000C
Capacity	45Ah	Weight	4KG±0.5KG
CCA	>700	Dimensions (mm)	207*175*180
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



213-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

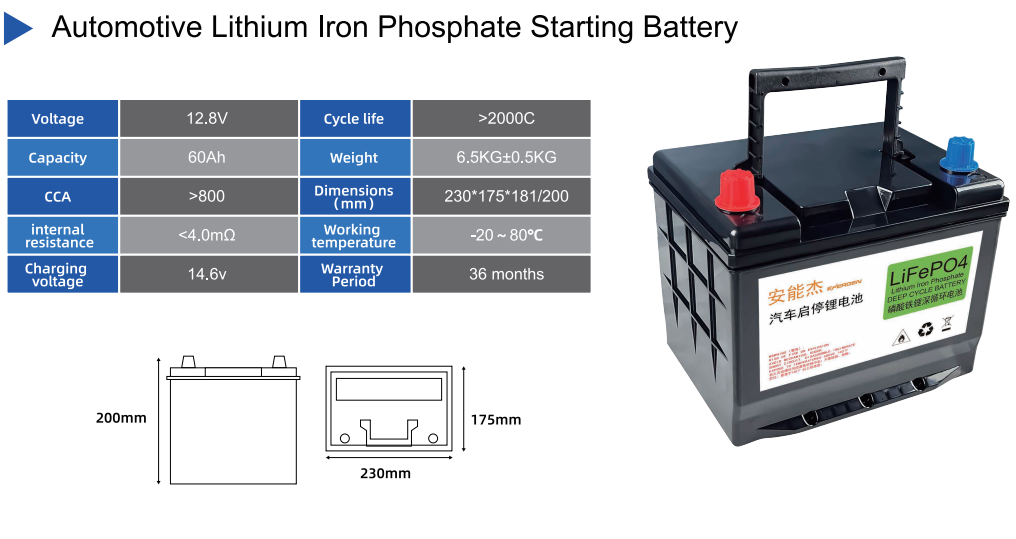
Voltage	12.8V	Cycle life	>2000C
Capacity	55Ah	Weight	5KG±0.5KG
CCA	>700	Dimensions (mm)	230*175*162/183
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



55D23-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

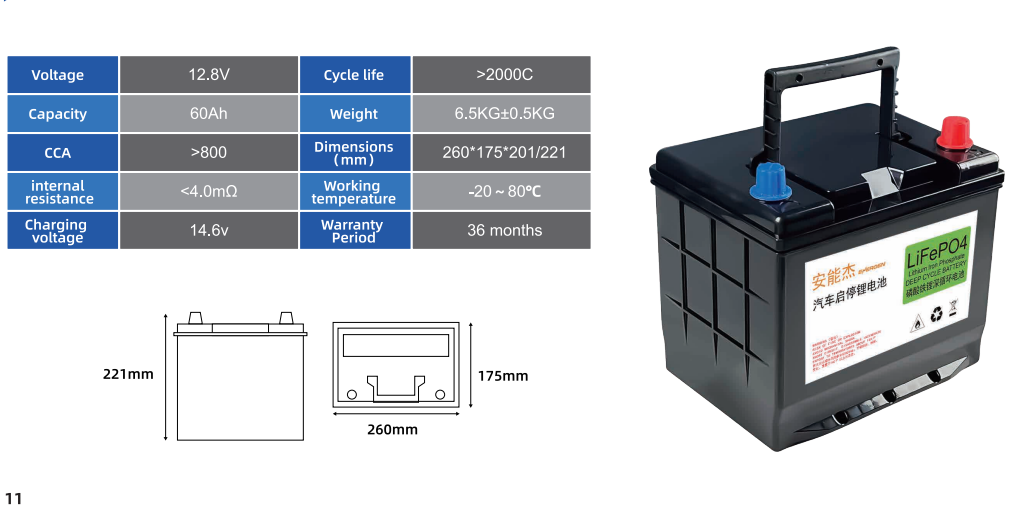
Voltage	12.8V	Cycle life	>2000C
Capacity	60Ah	Weight	6.5KG±0.5KG
CCA	>800	Dimensions (mm)	230*175*181/200
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



55D26-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

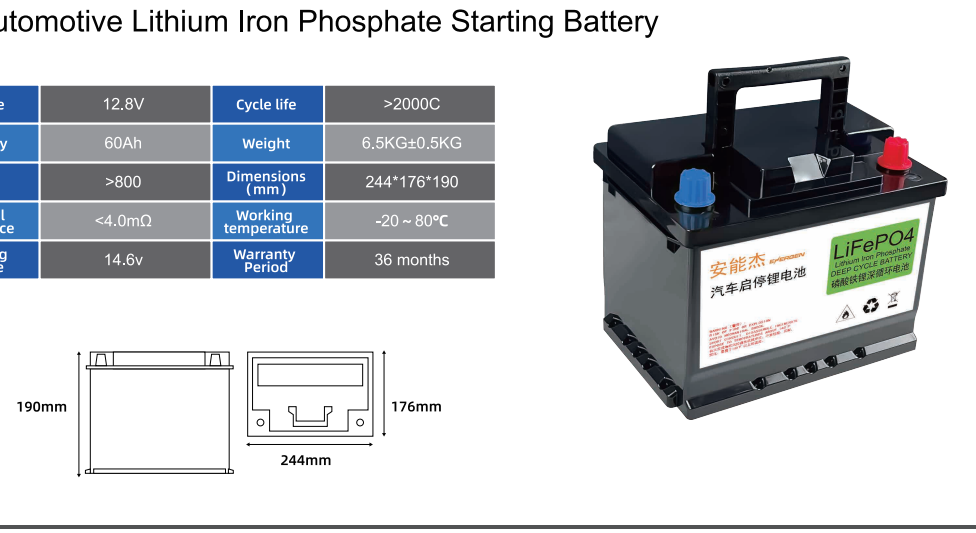
Voltage	12.8V	Cycle life	>2000C
Capacity	60Ah	Weight	6.5KG±0.5KG
CCA	>800	Dimensions (mm)	260*175*201/221
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H5/LN2-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

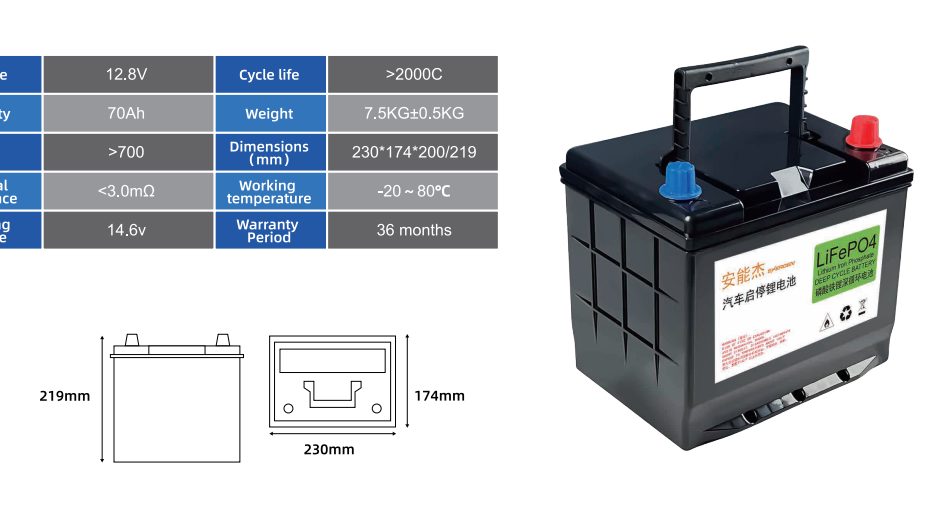
Voltage	12.8V	Cycle life	>2000C
Capacity	60Ah	Weight	6.5KG±0.5KG
CCA	>800	Dimensions (mm)	244*176*190
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



70D23-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

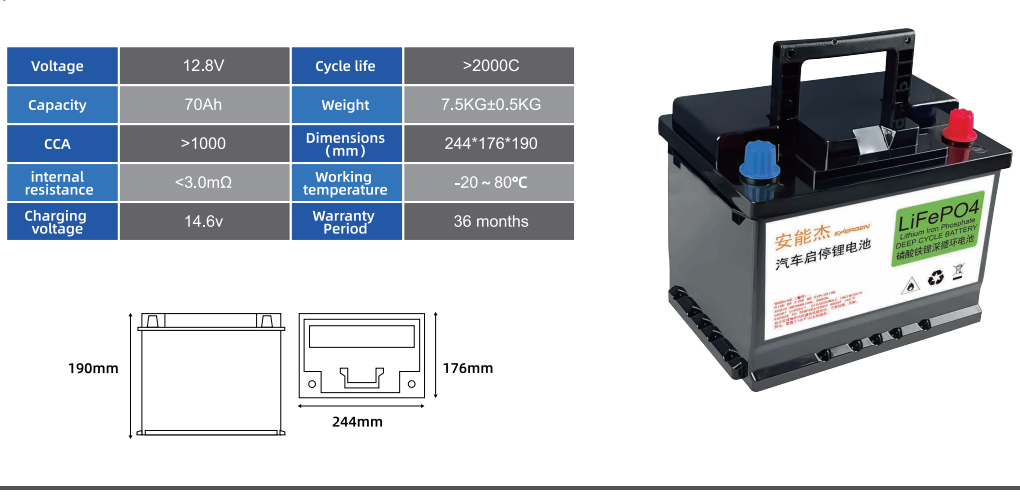
Voltage	12.8V	Cycle life	>2000C
Capacity	70Ah	Weight	7.5KG±0.5KG
CCA	>700	Dimensions (mm)	230*174*200/219
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H5/LN2-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

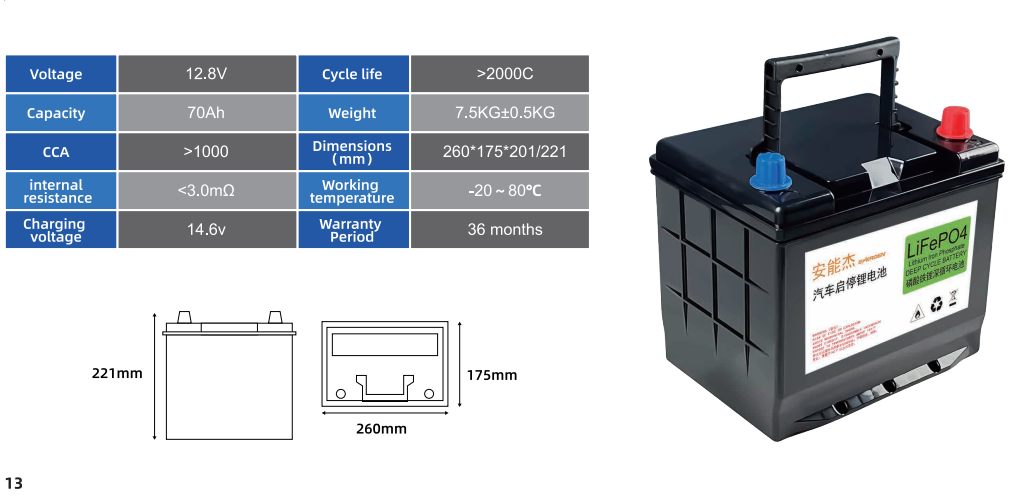
Voltage	12.8V	Cycle life	>2000C
Capacity	70Ah	Weight	7.5KG±0.5KG
CCA	>1000	Dimensions (mm)	244*176*190
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



80D26-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

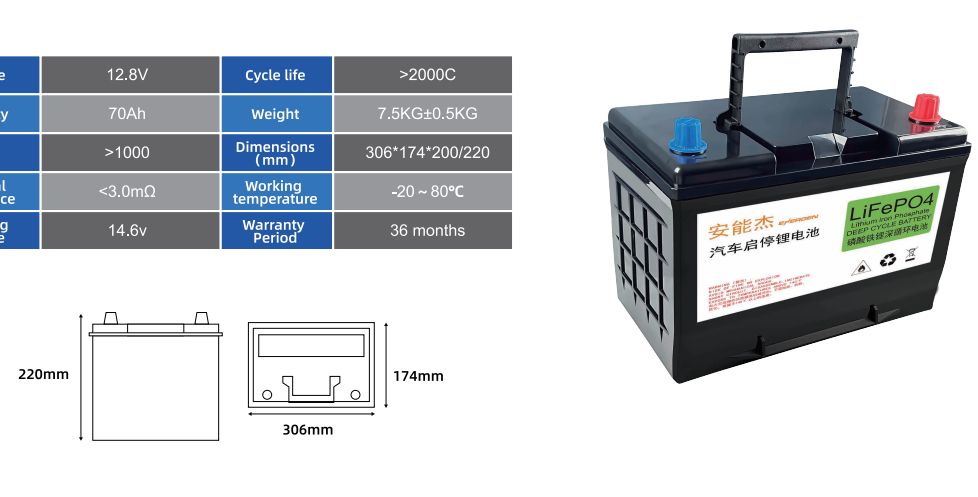
Voltage	12.8V	Cycle life	>2000C
Capacity	70Ah	Weight	7.5KG±0.5KG
CCA	>1000	Dimensions (mm)	260*175*201/221
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



95D31-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

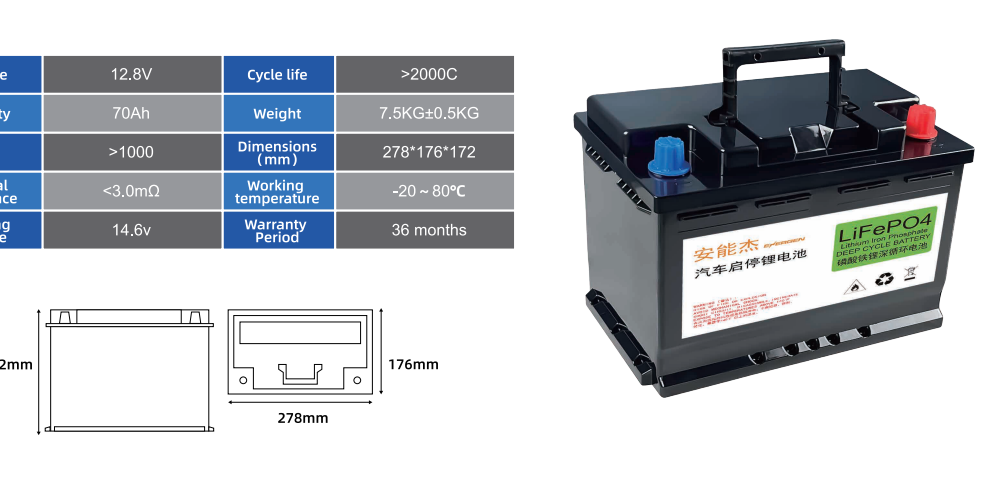
Voltage	12.8V	Cycle life	>2000C
Capacity	70Ah	Weight	7.5KG±0.5KG
CCA	>1000	Dimensions (mm)	306*174*200/220
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



T6-L

▶ Automotive Lithium Iron Phosphate Starting Battery

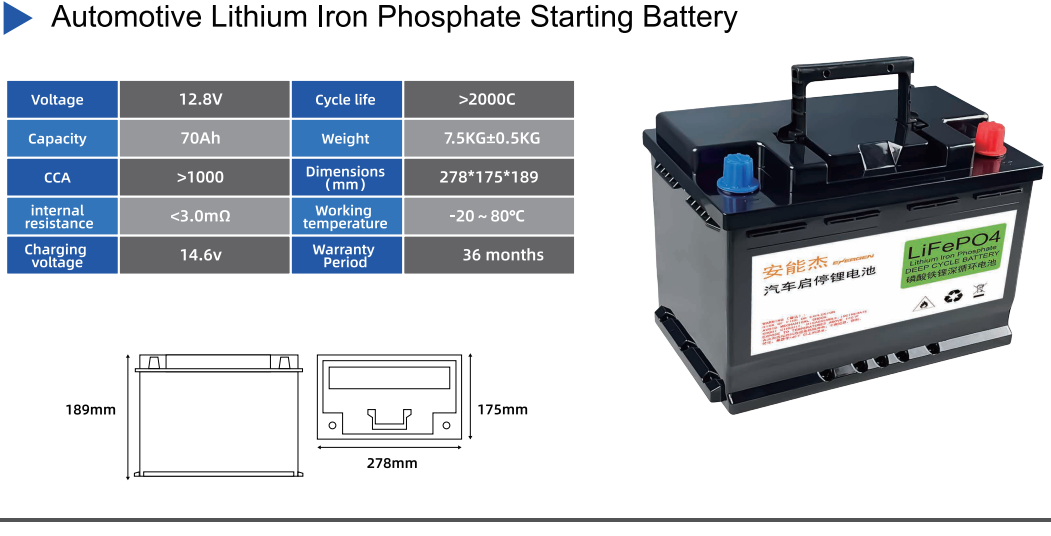
Voltage	12.8V	Cycle life	>2000C
Capacity	70Ah	Weight	7.5KG±0.5KG
CCA	>1000	Dimensions (mm)	278*176*172
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H6/LN3-L

▶ Automotive Lithium Iron Phosphate Starting Battery

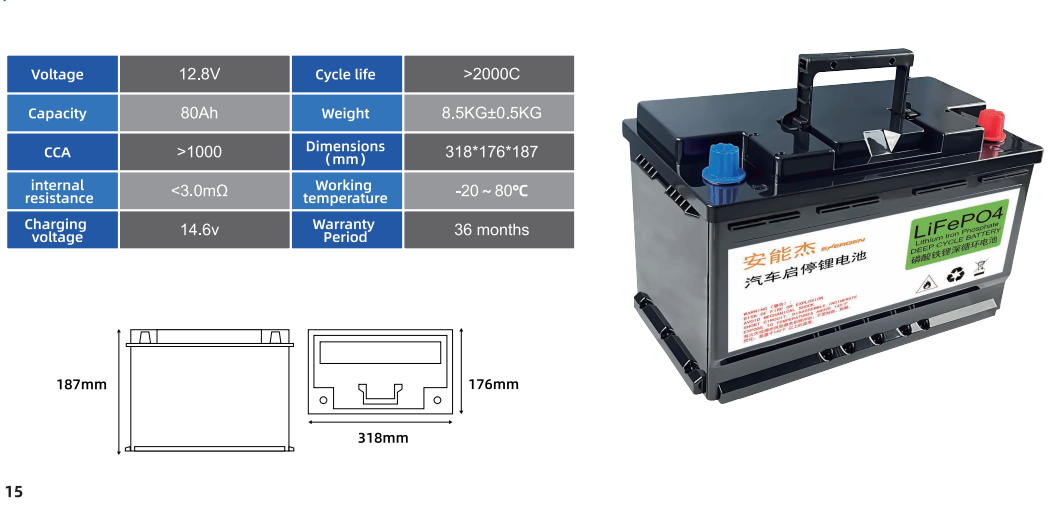
Voltage	12.8V	Cycle life	>2000C
Capacity	70Ah	Weight	7.5KG±0.5KG
CCA	>1000	Dimensions (mm)	278*175*189
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H7/LN4-L

▶ Automotive Lithium Iron Phosphate Starting Battery

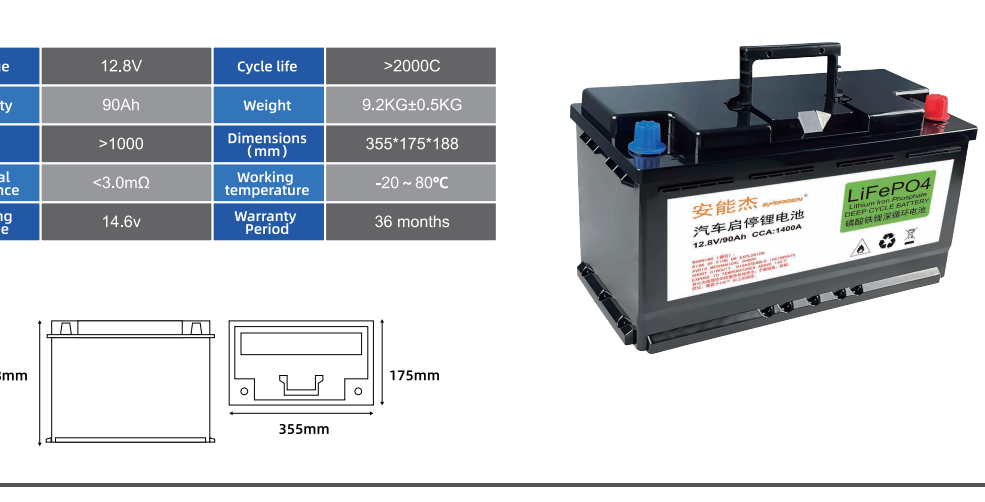
Voltage	12.8V	Cycle life	>2000C
Capacity	80Ah	Weight	8.5KG±0.5KG
CCA	>1000	Dimensions (mm)	318*176*187
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H8/LN5-L

▶ Automotive Lithium Iron Phosphate Starting Battery

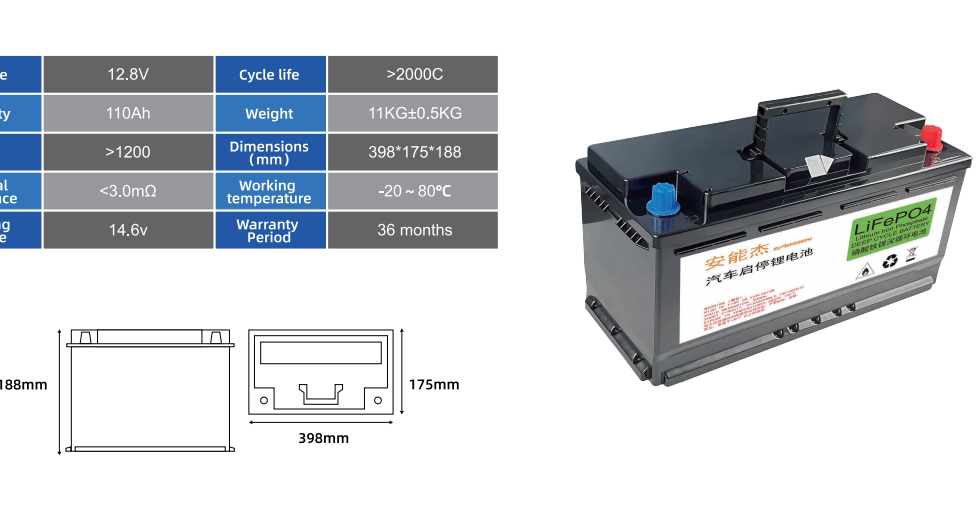
Voltage	12.8V	Cycle life	>2000C
Capacity	90Ah	Weight	9.2KG±0.5KG
CCA	>1000	Dimensions (mm)	355*175*188
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H9/LN6-L

▶ Automotive Lithium Iron Phosphate Starting Battery

Voltage	12.8V	Cycle life	>2000C
Capacity	110Ah	Weight	11KG±0.5KG
CCA	>1200	Dimensions (mm)	398*175*188
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



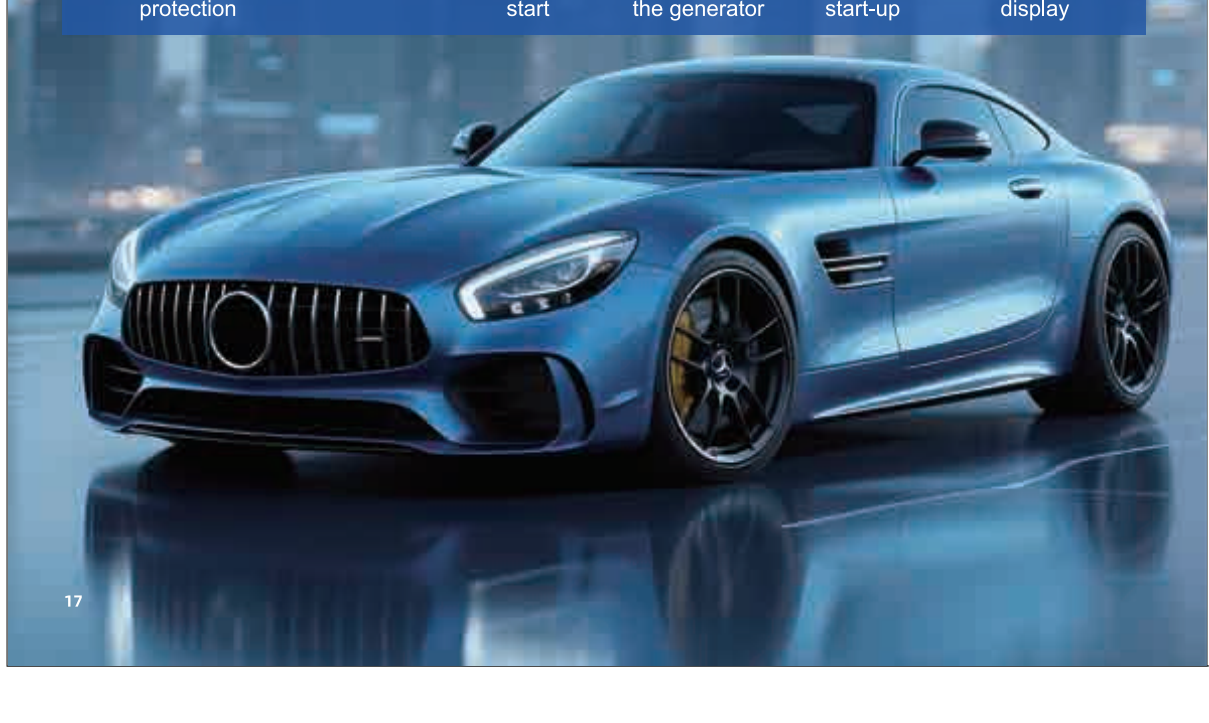
LiFePO4 **All-weather**

Automotive lithium iron phosphate starting battery

Product features:

As automobile equipment becomes more and more advanced, the power consumption is increasing, such as start-stop function, electric steering wheel, steering wheel heating, electric seat, seat heating and ventilation massage, electric sunroof, electric tailgate, electric pedal, electromagnetic suspension, Car refrigerators, audio modification, etc., ordinary batteries are no longer able to cope, resulting in shortened battery life, insufficient voltage, and damage to the car electrical system. Aucailai's intelligent start-stop lithium iron phosphate batterylithium iron phosphate battery adopts high-rate lithium iron phosphate batteries and advanced intelligent charge and discharge protection circuits to provide sufficient and stable power for the car, enhance the brightness of the car lights, improve the sound quality, and improve the low-temperature start performance. The efficiency of power equipment such as gasoline pumps and spark plugs makes gasoline burn more fully, effectively reduces fuel consumption, greatly improves power and reaction performance, and has the unparalleled superiority and cost performance of lead-acid batteries, it is an ideal upgrade product for lead-acid batteries.

- BMS Intelligent protection
- Long life
- Strong cold start
- Do not burn the generator
- Emergency start-up
- Electric quantity display



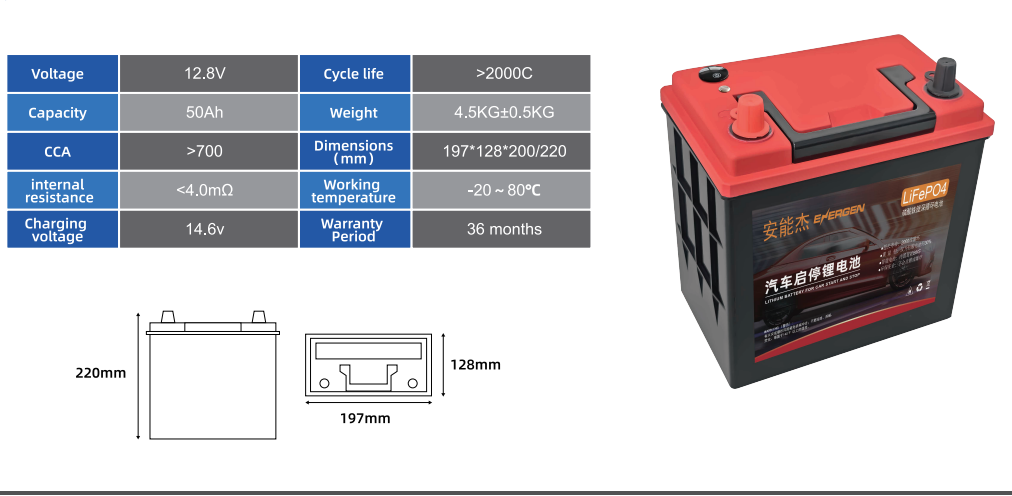
PRODUCT PARAMETERS:

Model	Voltage (V)	Capacity (Ah)	Energy (Wh)	Current (CCA)	Product size (L * W * H)
B19-RL	12.8	50	640	>700	197*128*200/220MM
B24-RL	12.8	60	768	>700	238*133*198/222MM
H4/LN1-RL	12.8	60	768	>700	207*175*180MM
D23/Q85-RL	12.8	100	1280	>1200	230*174*200/219MM
100D31-RL	12.8	100	1280	>1200	306*174*200/220MM
D26/S95-RL	12.8	100	1280	>1200	260*175*201/221MM
H5/LN2-RL	12.8	100	1280	>1200	244*176*197MM
T6-L	12.8	100	1280	>1200	278*176*172MM
H6/LN3-L	12.8	100	1280	>1200	278*175*189MM
H7/LN4-L	12.8	100	1280	>1200	318*176*187MM
H8/LN5-L	12.8	100	1280	>1200	355*175*188MM
100D31-RL	12.8	150	1920	>1300	306*174*200/220MM
H7/LN4-L	12.8	150	1920	>1300	318*176*187MM
H8/LN5-L	12.8	150	1920	>1300	355*175*188MM
H9/LN6-L	12.8	150	1920	>1300	398*175*188MM
N150-R	12.8	150	1920	>1300	406*173*218MM

B19-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

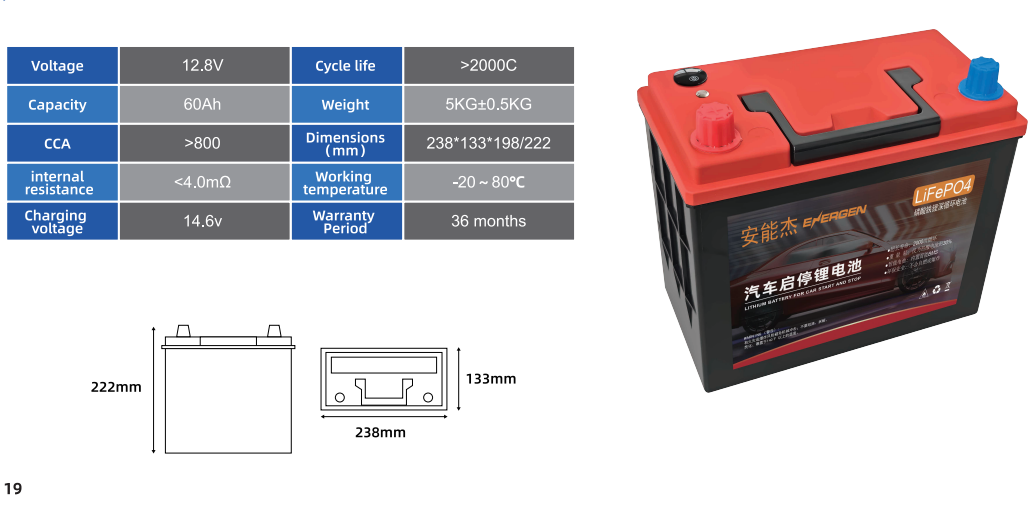
Voltage	12.8V	Cycle life	>2000C
Capacity	50Ah	Weight	4.5KG±0.5KG
CCA	>700	Dimensions (mm)	197*128*200/220
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



B24-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

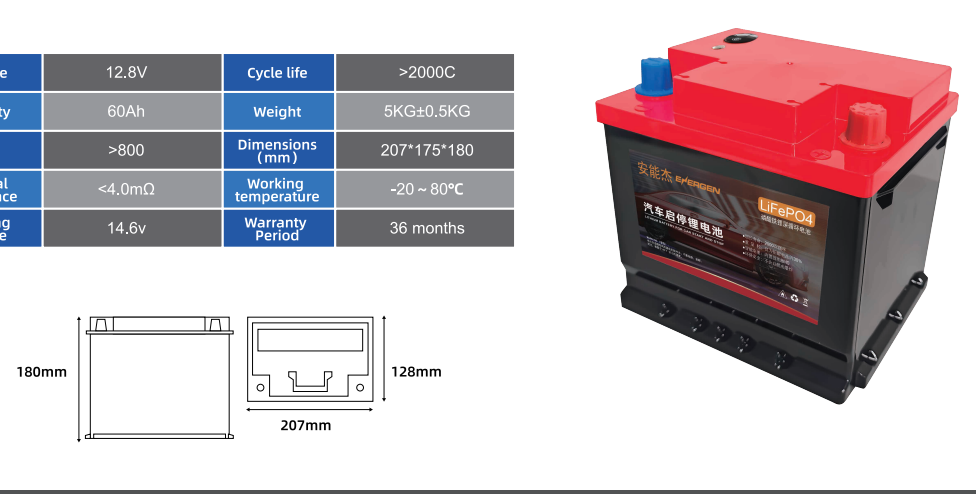
Voltage	12.8V	Cycle life	>2000C
Capacity	60Ah	Weight	5KG±0.5KG
CCA	>800	Dimensions (mm)	238*133*198/222
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H4/LN1-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

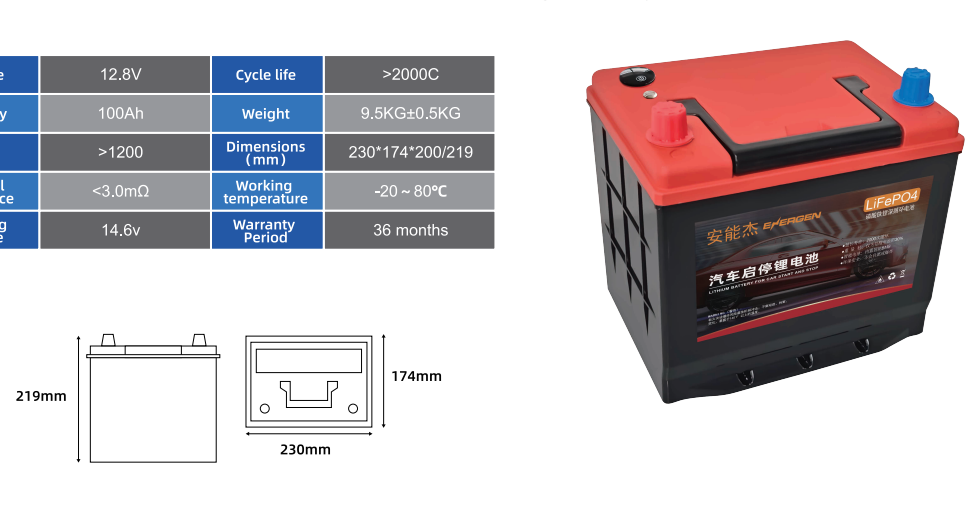
Voltage	12.8V	Cycle life	>2000C
Capacity	60Ah	Weight	5KG±0.5KG
CCA	>800	Dimensions (mm)	207*175*180
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



D23/Q85-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

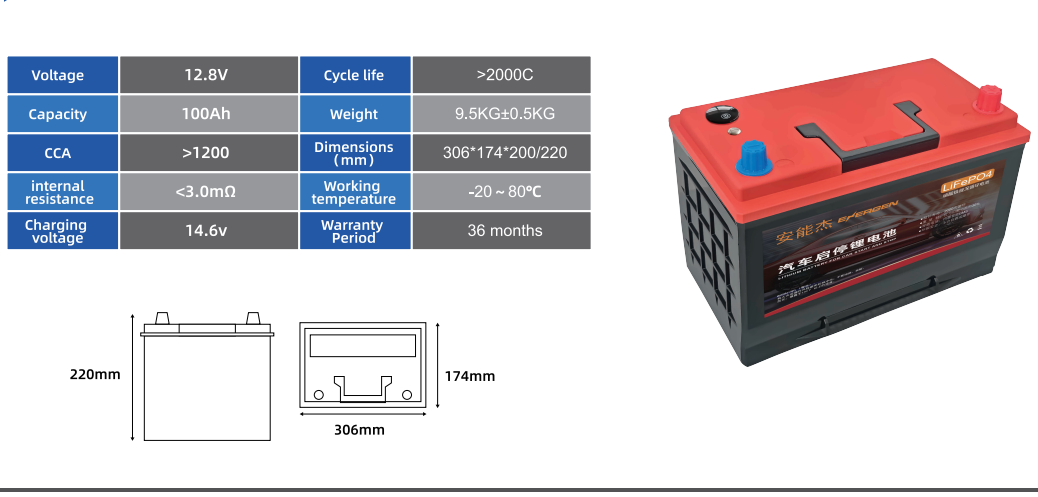
Voltage	12.8V	Cycle life	>2000C
Capacity	100Ah	Weight	9.5KG±0.5KG
CCA	>1200	Dimensions (mm)	230*174*200/219
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



100D31-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

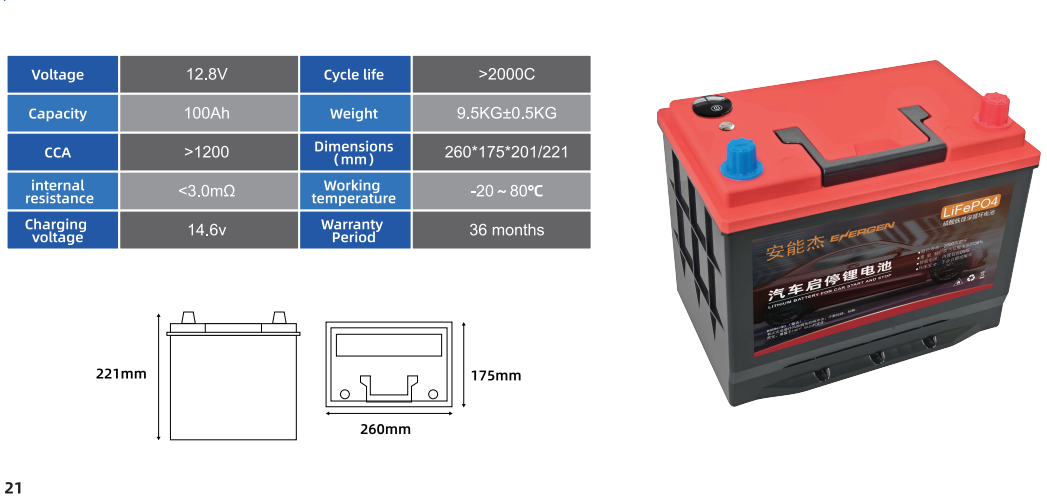
Voltage	12.8V	Cycle life	>2000C
Capacity	100Ah	Weight	9.5KG±0.5KG
CCA	>1200	Dimensions (mm)	306*174*200/220
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



D26/S95-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

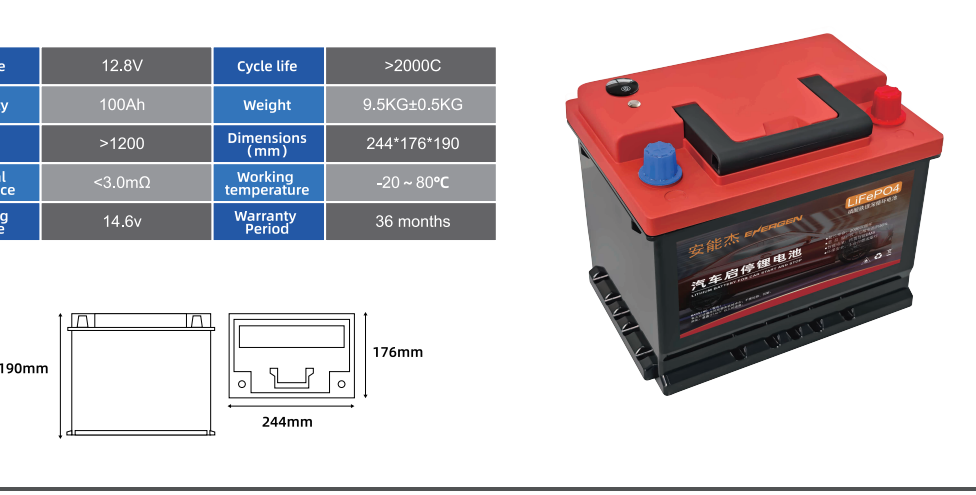
Voltage	12.8V	Cycle life	>2000C
Capacity	100Ah	Weight	9.5KG±0.5KG
CCA	>1200	Dimensions (mm)	260*175*201/221
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H5/LN2-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

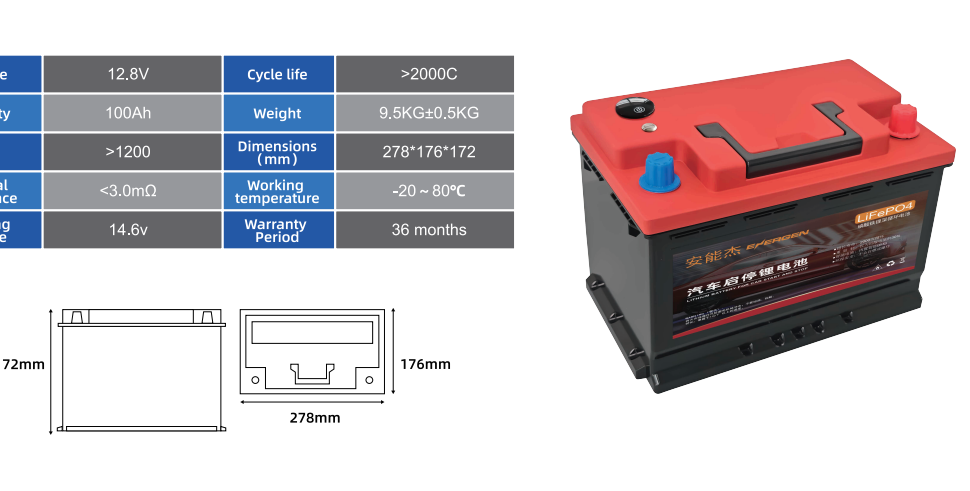
Voltage	12.8V	Cycle life	>2000C
Capacity	100Ah	Weight	9.5KG±0.5KG
CCA	>1200	Dimensions (mm)	244*176*190
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



T6-L

▶ Automotive Lithium Iron Phosphate Starting Battery

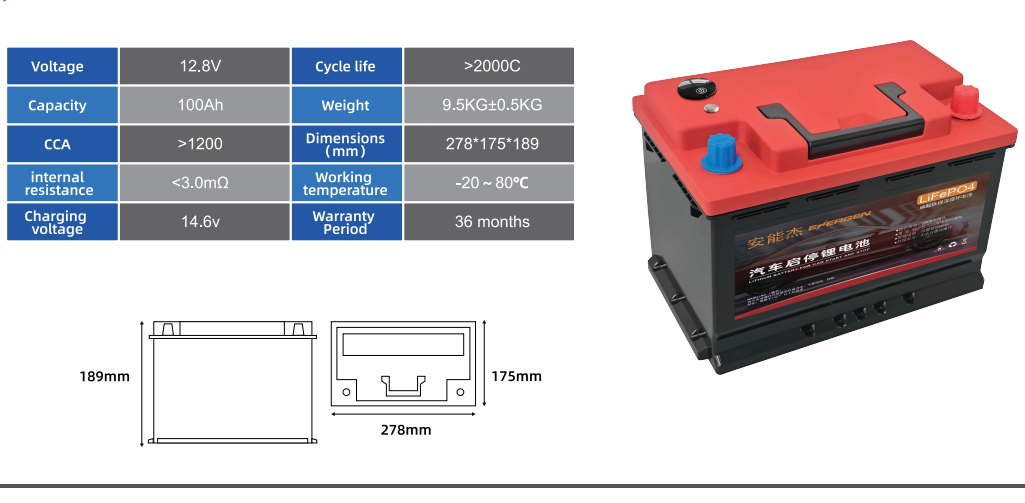
Voltage	12.8V	Cycle life	>2000C
Capacity	100Ah	Weight	9.5KG±0.5KG
CCA	>1200	Dimensions (mm)	278*176*172
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H6/LN3-L

▶ Automotive Lithium Iron Phosphate Starting Battery

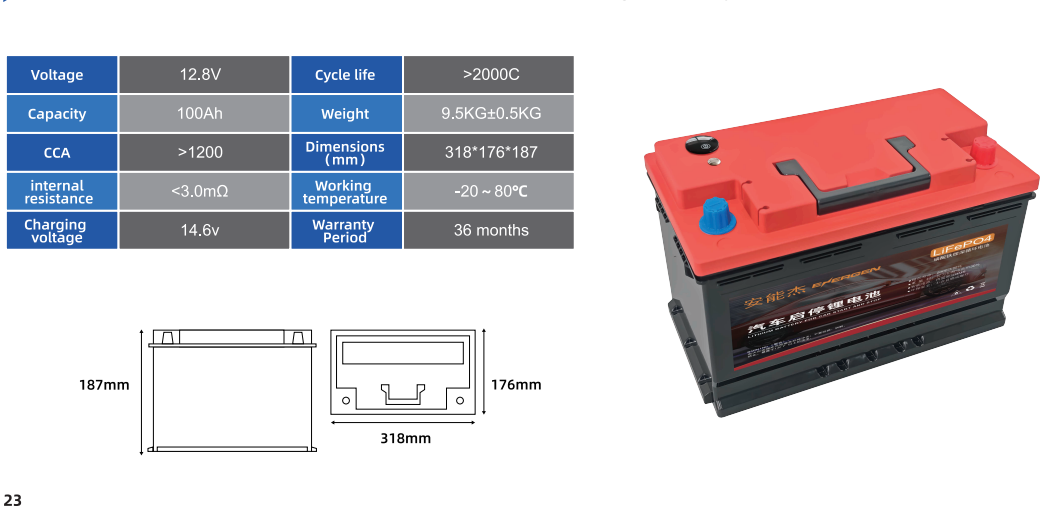
Voltage	12.8V	Cycle life	>2000C
Capacity	100Ah	Weight	9.5KG±0.5KG
CCA	>1200	Dimensions (mm)	278*175*189
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H7/LN4-L

▶ Automotive Lithium Iron Phosphate Starting Battery

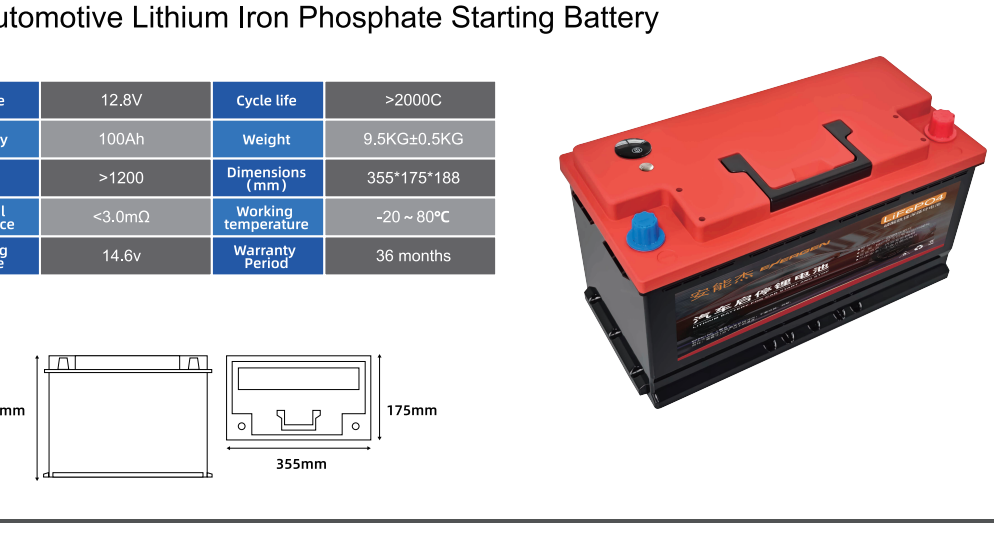
Voltage	12.8V	Cycle life	>2000C
Capacity	100Ah	Weight	9.5KG±0.5KG
CCA	>1200	Dimensions (mm)	318*176*187
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H8/LN5-L

▶ Automotive Lithium Iron Phosphate Starting Battery

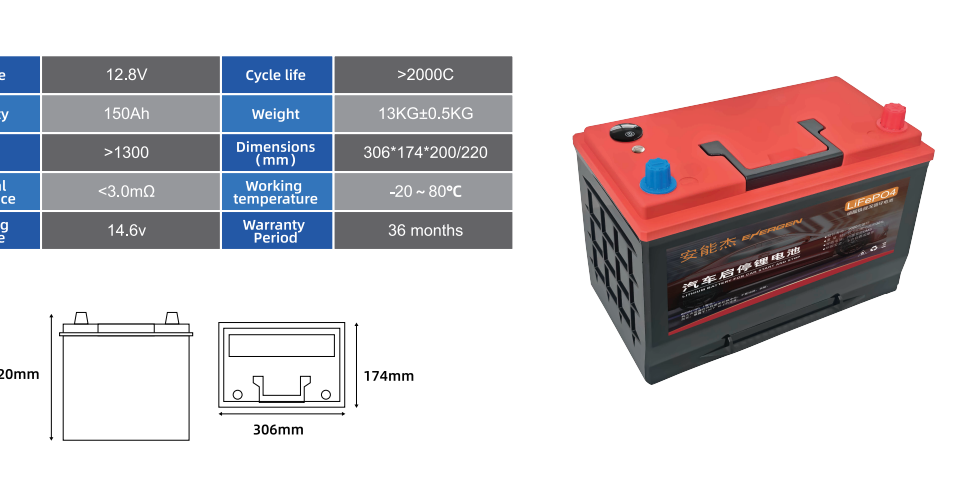
Voltage	12.8V	Cycle life	>2000C
Capacity	100Ah	Weight	9.5KG±0.5KG
CCA	>1200	Dimensions (mm)	355*175*188
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



100D31-RL

▶ Automotive Lithium Iron Phosphate Starting Battery

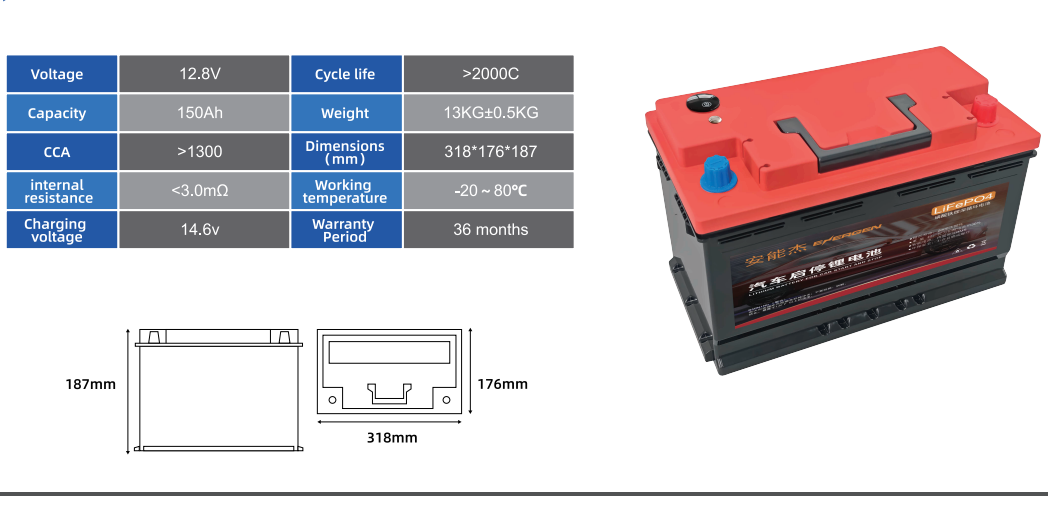
Voltage	12.8V	Cycle life	>2000C
Capacity	150Ah	Weight	13KG±0.5KG
CCA	>1300	Dimensions (mm)	306*174*200/220
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H7/LN4-L

▶ Automotive Lithium Iron Phosphate Starting Battery

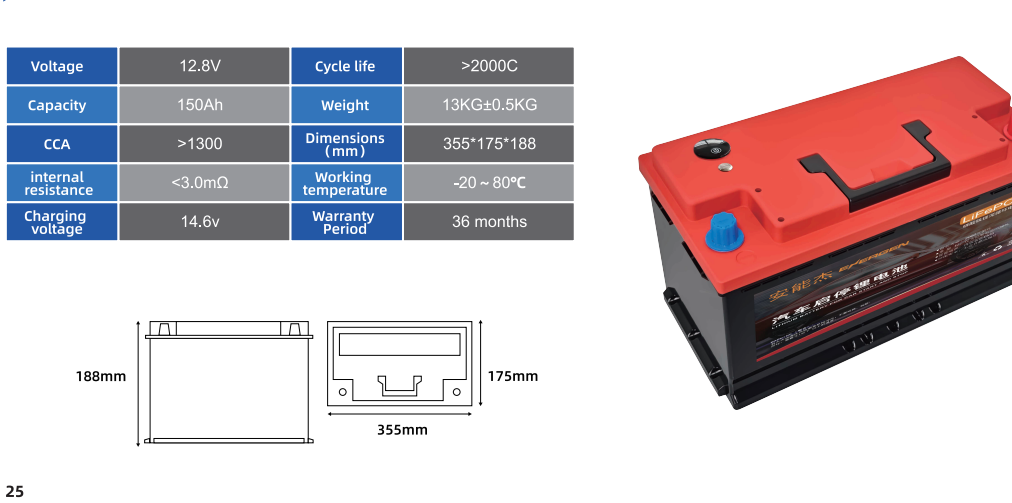
Voltage	12.8V	Cycle life	>2000C
Capacity	150Ah	Weight	13KG±0.5KG
CCA	>1300	Dimensions (mm)	318*176*187
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H8/LN5-L

▶ Automotive Lithium Iron Phosphate Starting Battery

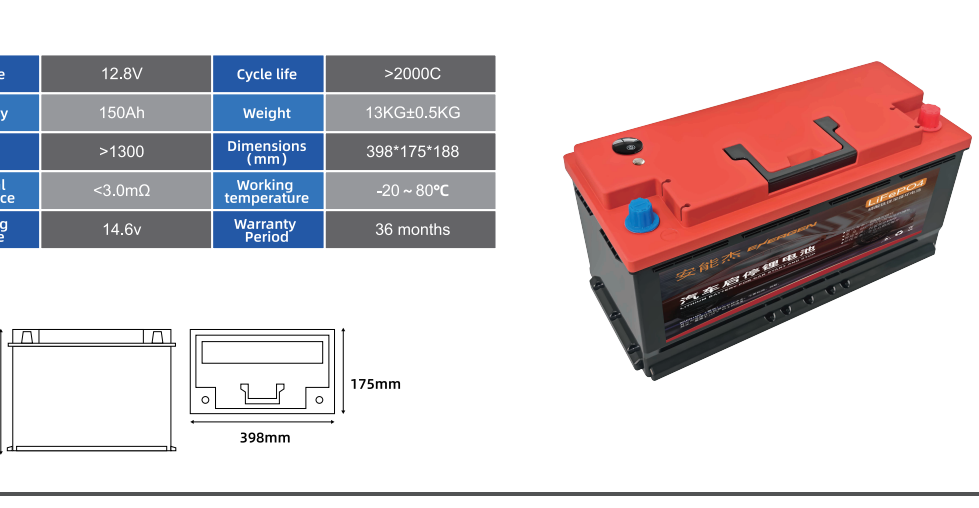
Voltage	12.8V	Cycle life	>2000C
Capacity	150Ah	Weight	13KG±0.5KG
CCA	>1300	Dimensions (mm)	355*175*188
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



H9/LN6-L

▶ Automotive Lithium Iron Phosphate Starting Battery

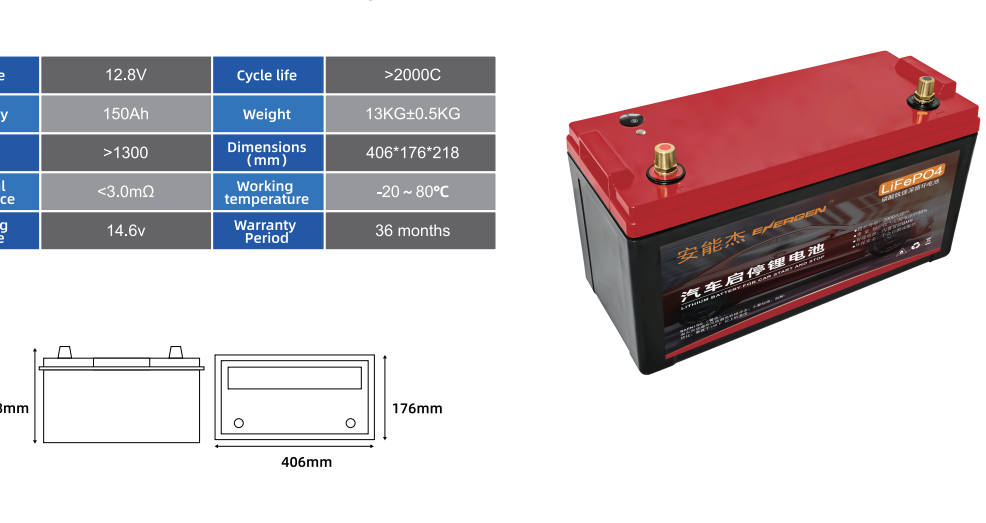
Voltage	12.8V	Cycle life	>2000C
Capacity	150Ah	Weight	13KG±0.5KG
CCA	>1300	Dimensions (mm)	398*175*188
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



N150-R

▶ Automotive Lithium Iron Phosphate Starting Battery

Voltage	12.8V	Cycle life	>2000C
Capacity	150Ah	Weight	13KG±0.5KG
CCA	>1300	Dimensions (mm)	406*176*218
internal resistance	<3.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



LiFePO4 **All-weather**

Truck Lithium Iron Phosphate Starter Battery

Product features:

Good battery life: It can provide relatively stable power support for the parking air conditioner, meet the needs of long-term use, and avoid frequent charging.
Small size and light weight: easy to install and carry, does not occupy too much space in the car, suitable for car scenes.
High charging efficiency: it can charge more electricity in a short time and reduce waiting time.
High safety: with overcharge, over discharge, short circuit and other protection functions, reduce the risk of use.
Long service life: Under normal use and maintenance, it can be used for a long time and reduce replacement costs.

- BMS Intelligent protection
- Long life
- Strong cold start
- Do not burn the generator
- Emergency start-up
- Electric quantity display

24V PRODUCT PARAMETERS:

Model	Voltage (V)	Capacity (Ah)	Energy (Wh)	Current (CCA)	Product size (L * W * H)
24V150	25.6	150	3840	>1200	524*236*218/238MM
24V260	25.6	260	6656	>1300	450*350*220MM
24V300	25.6	300	7680	>1300	450*350*220MM

12V PRODUCT PARAMETERS:

Model	Voltage (V)	Capacity (Ah)	Energy (Wh)	Current (CCA)	Product size (L * W * H)
12V120	12.8	120	1536	>1200	495*219*204/224MM
12V150	12.8	150	1920	>1300	495*219*204/224MM
12V200	12.8	200	2560	>1300	495*219*204/224MM
12V300	12.8	300	3840	>1300	495*219*204/224MM
12V400	12.8	400	5120	>1300	524*236*218/238MM

APP INTELLIGENT CONTROL

Can be remotely controlled by Bluetooth connection applets, battery settings, one hand control; battery status, at a glance.

POWER CHECK
Through a small program, you can view the battery condition, real-time power voltage, and bid farewell to power loss caused by excessive power consumption.

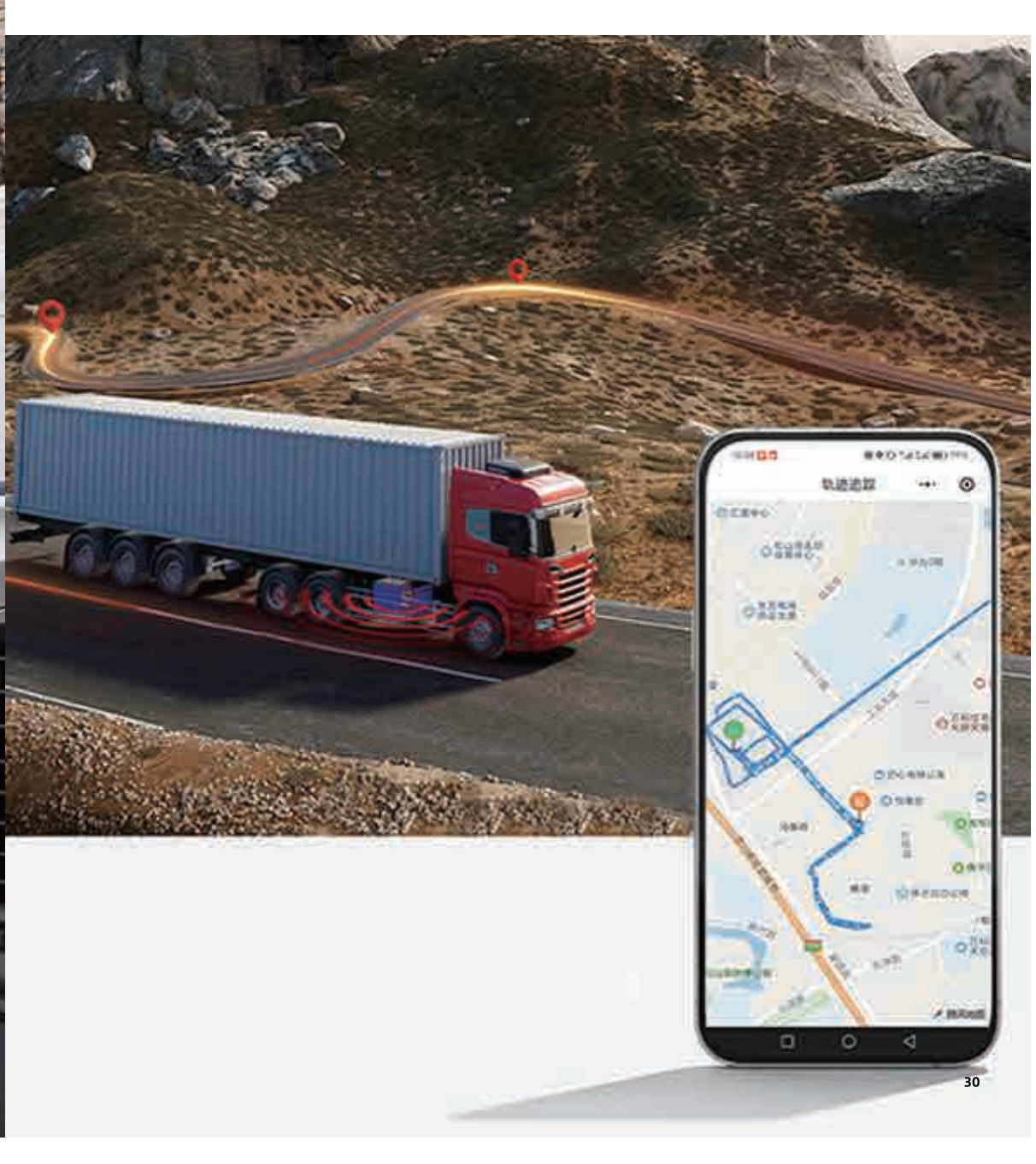
ONE KEY STRONG START
One key activates the undervoltage power supply to realize emergency power supply for 60S, bid farewell to the trailer fire, and ensure the smooth start of the truck in extreme cases.

RESERVATION HEATING
The automatic heating time is set through a small program to realize that the battery can reach the appropriate temperature before the vehicle starts.

83.3%
GPS定位
轨迹追踪
预约加热
一键强启

GPS POSITIONING

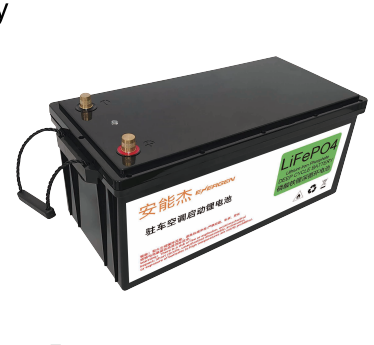
Small programs and APP can view positioning, track tracking and prevent battery theft in real time.



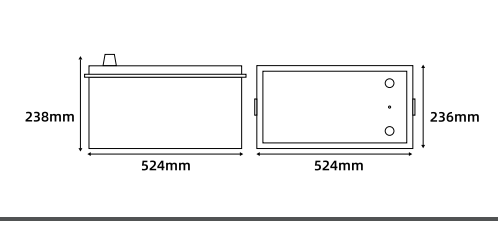
24V150

Truck Lithium Iron Phosphate Starter Battery

Voltage	25.6V	Cycle life	>2000C
Capacity	150Ah	Weight	25KG±0.5KG
CCA	>1200	Dimensions (mm)	524*236*218/238
internal resistance	<5.0mΩ	Working temperature	-20～80℃
Charging voltage	29.2V	Warranty Period	36 months



3.7 degrees of electricity,
parking air conditioning use ≈ 6 hours

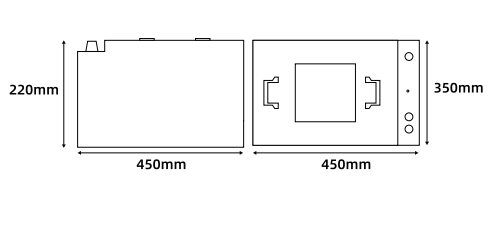


24V260

Truck Lithium Iron Phosphate Starter Battery

Voltage	25.6V	Cycle life	>2000C
Capacity	260Ah	Weight	48KG±0.5KG
CCA	>1300	Dimensions (mm)	450*350*220
internal resistance	<5.0mΩ	Working temperature	-20～80℃
Charging voltage	29.2v	Warranty Period	36 months

6.5 degrees of electricity,
parking air conditioning use ≈ 12-13 hours

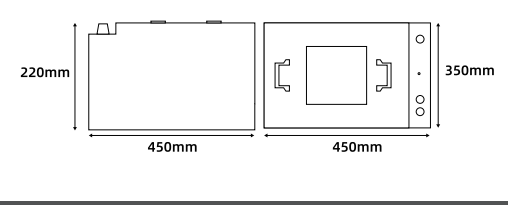


24V300

Truck Lithium Iron Phosphate Starter Battery

Voltage	25.6V	Cycle life	>2000C
Capacity	300Ah	Weight	52KG±0.5KG
CCA	>1300	Dimensions (mm)	450*350*220
internal resistance	<5.0mΩ	Working temperature	-20～80℃
Charging voltage	29.2v	Warranty Period	36 months

7.5 degrees of electricity,
parking air conditioning use ≈ 14-15 hours

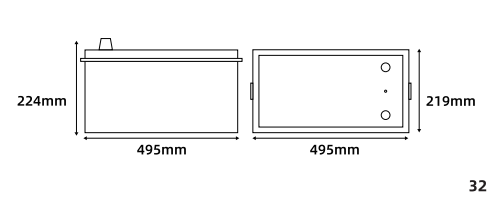


12V120

Truck Lithium Iron Phosphate Starter Battery

Voltage	12.8V	Cycle life	>2000C
Capacity	120Ah	Weight	12KG±0.5KG
CCA	>1200	Dimensions (mm)	495*219*204/224
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months

1.5 degrees of electricity,
parking air conditioning use ≈ 2 hours

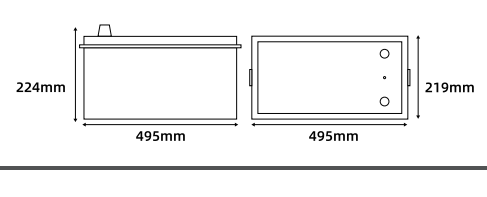


12V150

Truck Lithium Iron Phosphate Starter Battery

Voltage	12.8V	Cycle life	>2000C
Capacity	150Ah	Weight	15KG±0.5KG
CCA	>1300	Dimensions (mm)	495*219*204/224
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months

1.8 degrees of electricity,
parking air conditioning use ≈ 2.5 hours

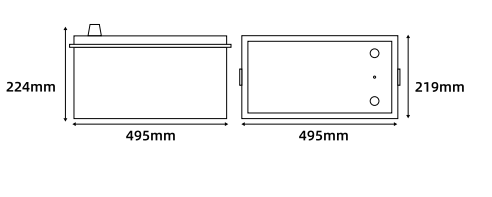


12V200

Truck Lithium Iron Phosphate Starter Battery

Voltage	12.8V	Cycle life	>2000C
Capacity	200Ah	Weight	20KG±0.5KG
CCA	>1300	Dimensions (mm)	495*219*204/224
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months

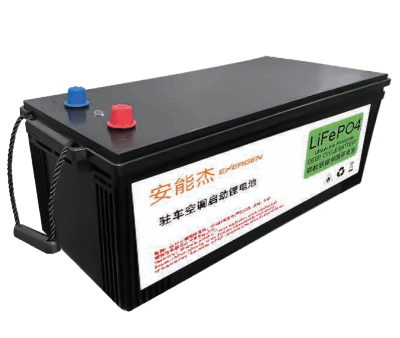
2.5 degrees of electricity,
parking air conditioning use ≈ 4 hours



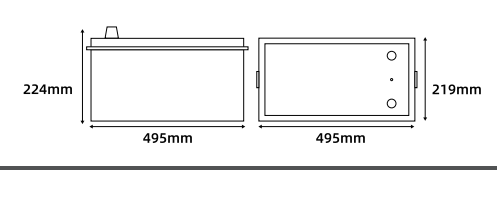
12V300

Truck Lithium Iron Phosphate Starter Battery

Voltage	12.8V	Cycle life	>2000C
Capacity	300Ah	Weight	25KG±0.5KG
CCA	>1300	Dimensions (mm)	495*219*204/224
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



3.7 degrees of electricity,
parking air conditioning use ≈ 6 hours

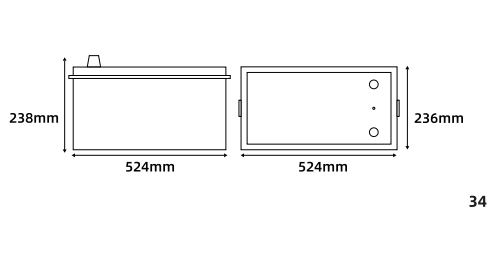


12V400

Truck Lithium Iron Phosphate Starter Battery

Voltage	12.8V	Cycle life	>2000C
Capacity	400Ah	Weight	30KG±0.5KG
CCA	>1300	Dimensions (mm)	524*236*218/238
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months

5 degrees of electricity,
parking air conditioning use ≈ 9 hours



LiFePO4

Motorcycle lithium iron phosphate starting battery

Product features:

Large current discharge capability: When the motorcycle starts, it needs to release a large current instantly. the lithium iron phosphate battery has excellent large current discharge characteristics, which can quickly provide the strong power required for starting to ensure the smooth ignition of the engine. Long life: Under normal use and maintenance conditions, the cycle life (number of charge and discharge) of lithium iron phosphate battery can reach more than 2000 times, and the service life is longer, which reduces the frequency and cost of battery replacement. Lightweight design: lithium iron phosphate battery use lighter materials, and their weight is usually only 1/3 of that of lead-acid batteries with the same capacity, which helps motorcycles reduce overall weight and improve handling performance and fuel economy. Motorcycle starting lithium iron phosphate battery are gradually becoming an ideal choice for motorcycle starting power, especially in scenarios with high performance and environmental protection requirements.

- Intelligent protection
- Long life
- Strong cold start
- Do not burn the generator
- Light weight
- Electric quantity display

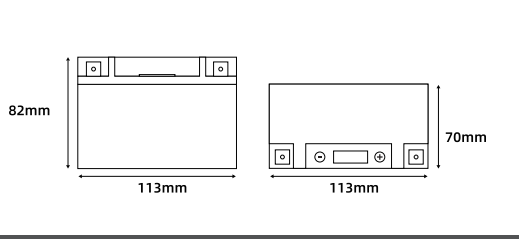
PRODUCT PARAMETERS:

Model	Voltage (V)	Capacity (Ah)	Energy (Wh)	Current (CCA)	Product size (L * W * H)
YTX4L-BS	12.8	3	38.4	>140	113*70*82MM
YTX5L-BS	12.8	5	64	>200	113*70*105MM
YTX7L-BS	12.8	5	64	>200	113*69*130MM
YTX7A-BS	12.8	5	64	>200	150*87*93MM
DLF7B-4	12.8	5	64	>200	150*65*93MM
YTX9A-BS	12.8	5	64	>200	151*87*105MM
YTX12A-BS	12.8	8	102.4	>250	150*87*132MM
YTX14A-BS	12.8	9	115.2	>320	150*87*149MM
YTX20L-BS	12.8	10	128	>450	177*87*153MM
YTX30L-BS	12.8	12	153.6	>550	166*126*176MM
12N5	12.8	5	64	>200	120*60*125MM
12N9	12.8	5	64	>200	137*77*134MM

YTX4L-BS

Motorcycle lithium iron phosphate starting battery

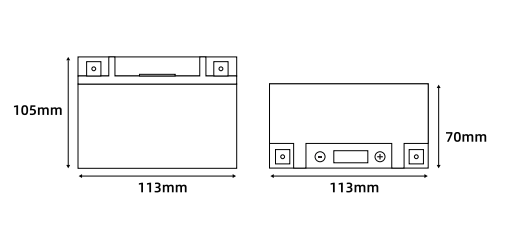
Voltage	12.8V	Cycle life	>2000C
Capacity	3Ah	Weight	0.6KG±0.2KG
CCA	>150	Dimensions (mm)	113*70*82
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX5L-BS

Motorcycle lithium iron phosphate starting battery

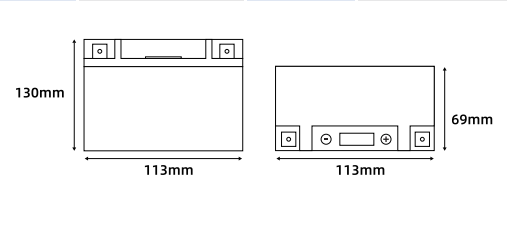
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.8KG±0.2KG
CCA	>200	Dimensions (mm)	113*70*105
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX7L-BS

Motorcycle lithium iron phosphate starting battery

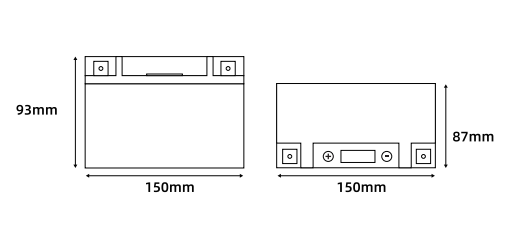
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.9KG±0.2KG
CCA	>200	Dimensions (mm)	113*69*130
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX7A-BS

Motorcycle lithium iron phosphate starting battery

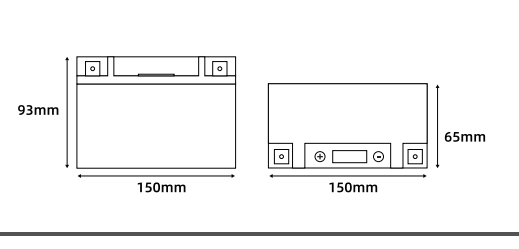
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.9KG±0.2KG
CCA	>200	Dimensions (mm)	150*87*93
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



DLF7B-4

Motorcycle lithium iron phosphate starting battery

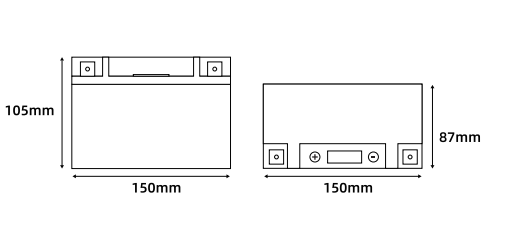
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.9KG±0.2KG
CCA	>200	Dimensions (mm)	150*65*93
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX9A-BS

Motorcycle lithium iron phosphate starting battery

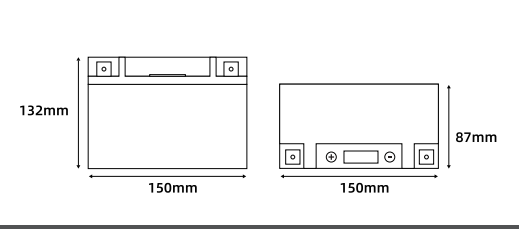
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	1.1KG±0.2KG
CCA	>200	Dimensions (mm)	151*87*105
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX12A-BS

Motorcycle lithium iron phosphate starting battery

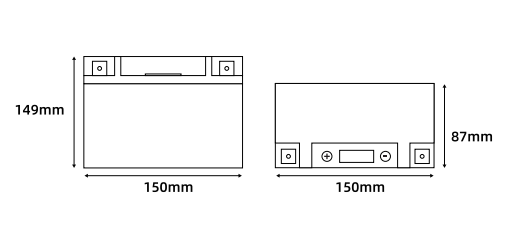
Voltage	12.8V	Cycle life	>2000C
Capacity	8Ah	Weight	1.5KG±0.2KG
CCA	>250	Dimensions (mm)	150*87*132
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX14A-BS

Motorcycle lithium iron phosphate starting battery

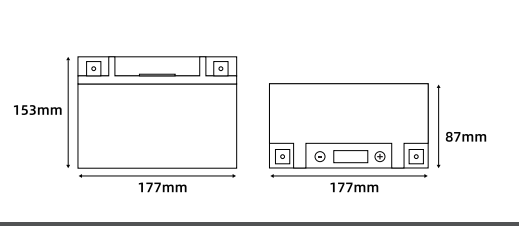
Voltage	12.8V	Cycle life	>2000C
Capacity	9Ah	Weight	1.7KG±0.2KG
CCA	>320	Dimensions (mm)	150*87*149
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX20L-BS

Motorcycle lithium iron phosphate starting battery

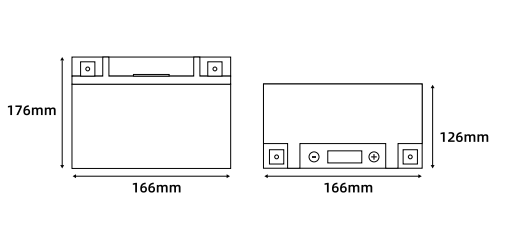
Voltage	12.8V	Cycle life	>2000C
Capacity	10Ah	Weight	1.7KG±0.2KG
CCA	>450	Dimensions (mm)	177*87*153
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX30L-BS

Motorcycle lithium iron phosphate starting battery

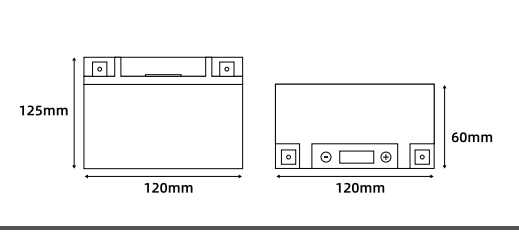
Voltage	12.8V	Cycle life	>2000C
Capacity	12Ah	Weight	1.75KG±0.2KG
CCA	>550	Dimensions (mm)	166*126*176
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



12N5

Motorcycle lithium iron phosphate starting battery

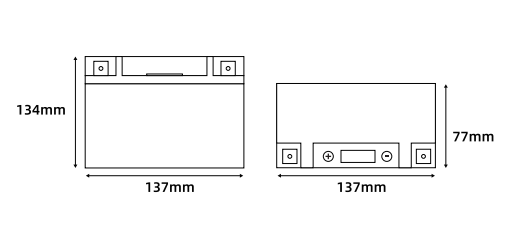
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.9KG±0.2KG
CCA	>200	Dimensions (mm)	120*60*125
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



12N9

Motorcycle lithium iron phosphate starting battery

Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	1KG±0.2KG
CCA	>200	Dimensions (mm)	137*77*134
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



LiFePO4

Motorcycle lithium iron phosphate starting battery

Product features:

Large current discharge capability: When the motorcycle starts, it needs to release a large current instantly. the lithium iron phosphate battery has excellent large current discharge characteristics, which can quickly provide the strong power required for starting to ensure the smooth ignition of the engine. Long life: Under normal use and maintenance conditions, the cycle life (number of charge and discharge) of lithium iron phosphate battery can reach more than 2000 times, and the service life is longer, which reduces the frequency and cost of battery replacement. Lightweight design: lithium iron phosphate battery use lighter materials, and their weight is usually only 1/3 of that of lead-acid batteries with the same capacity, which helps motorcycles reduce overall weight and improve handling performance and fuel economy. Motorcycle starting lithium iron phosphate battery are gradually becoming an ideal choice for motorcycle starting power, especially in scenarios with high performance and environmental protection requirements.

- Intelligent protection
- Long life
- Strong cold start
- Do not burn the generator
- Light weight
- Electric quantity display

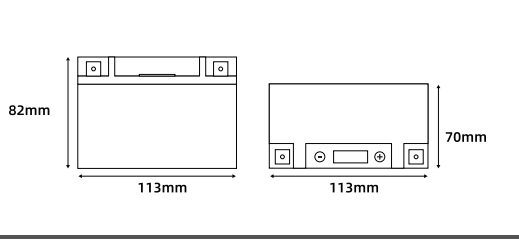
PRODUCT PARAMETERS:

Model	Voltage (V)	Capacity (Ah)	Energy (Wh)	Current (CCA)	Product size (L * W * H)
YTX4L-BS	12.8	3	38.4	>140	113*70*82MM
YTX5L-BS	12.8	5	64	>200	113*70*105MM
YTX7L-BS	12.8	5	64	>200	113*69*130MM
YTX7A-BS	12.8	5	64	>200	150*87*93MM
DLF7B-4	12.8	5	64	>200	150*65*93MM
YTX9A-BS	12.8	5	64	>200	151*87*105MM
YTX12A-BS	12.8	8	102.4	>250	150*87*132MM
YTX14A-BS	12.8	9	115.2	>320	150*87*149MM
YTX20L-BS	12.8	10	128	>450	177*87*153MM
YTX30L-BS	12.8	12	153.6	>550	166*126*176MM
YTX4L-4 Stigma	12.8	3	38.4	>150	112*69*88MM
YTX9A-4 Stigma	12.8	5	64	>200	150*85*109MM

YTX4L-BS

Motorcycle lithium iron phosphate starting battery

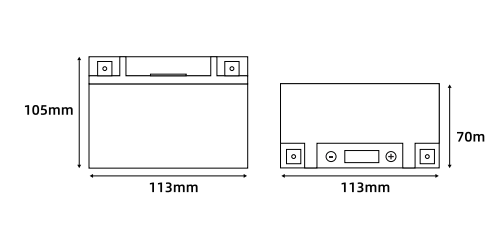
Voltage	12.8V	Cycle life	>2000C
Capacity	3Ah	Weight	0.6KG±0.2KG
CCA	>150	Dimensions (mm)	113*70*82
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX5L-BS

Motorcycle lithium iron phosphate starting battery

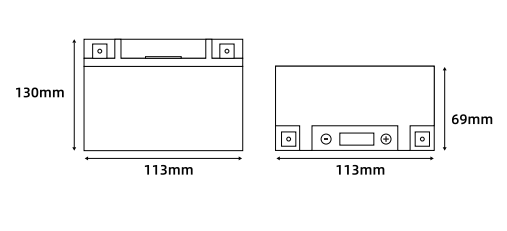
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.8KG±0.2KG
CCA	>200	Dimensions (mm)	113*70*105
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX7L-BS

Motorcycle lithium iron phosphate starting battery

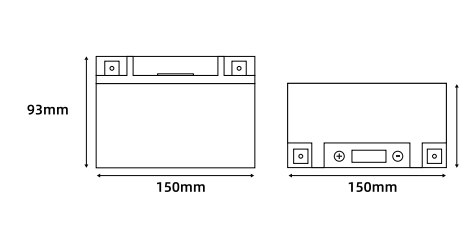
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.9KG±0.2KG
CCA	>200	Dimensions (mm)	113*69*130
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX7A-BS

Motorcycle lithium iron phosphate starting battery

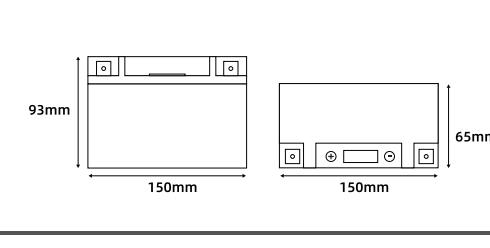
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.9KG±0.2KG
CCA	>200	Dimensions (mm)	150*87*93
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



DLF7B-4

Motorcycle lithium iron phosphate starting battery

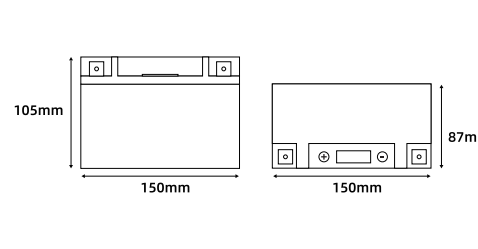
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.9KG±0.2KG
CCA	>200	Dimensions (mm)	150*65*93
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX9A-BS

Motorcycle lithium iron phosphate starting battery

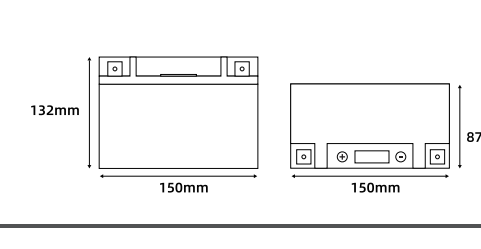
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	1.1KG±0.2KG
CCA	>200	Dimensions (mm)	151*87*105
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX12A-BS

Motorcycle lithium iron phosphate starting battery

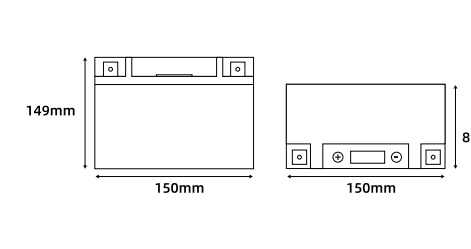
Voltage	12.8V	Cycle life	>2000C
Capacity	8Ah	Weight	1.5KG±0.2KG
CCA	>250	Dimensions (mm)	150*87*132
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX14A-BS

Motorcycle lithium iron phosphate starting battery

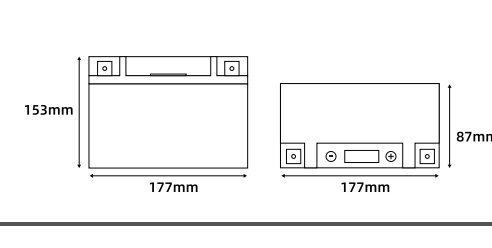
Voltage	12.8V	Cycle life	>2000C
Capacity	9Ah	Weight	1.7KG±0.2KG
CCA	>320	Dimensions (mm)	150*87*149
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX20L-BS

Motorcycle lithium iron phosphate starting battery

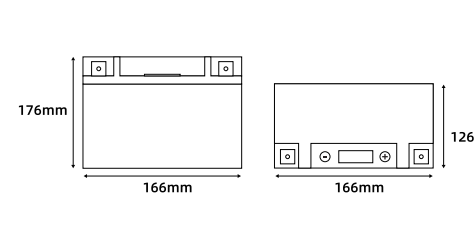
Voltage	12.8V	Cycle life	>2000C
Capacity	10Ah	Weight	1.7KG±0.2KG
CCA	>450	Dimensions (mm)	177*87*153
internal resistance	<4.0mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX30L-BS

Motorcycle lithium iron phosphate starting battery

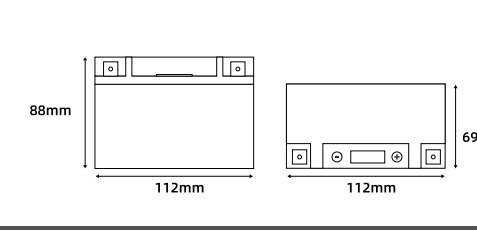
Voltage	12.8V	Cycle life	>2000C
Capacity	12Ah	Weight	1.75KG±0.2KG
CCA	>550	Dimensions (mm)	166*126*176
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX4L-4 Stigma

Motorcycle lithium iron phosphate starting battery

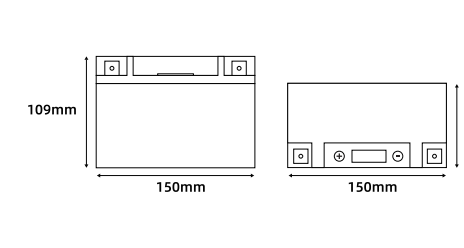
Voltage	12.8V	Cycle life	>2000C
Capacity	3Ah	Weight	0.6KG±0.2KG
CCA	>150	Dimensions (mm)	112*69*88
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



YTX9A-4 Stigma

Motorcycle lithium iron phosphate starting battery

Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	1.1KG±0.2KG
CCA	>200	Dimensions (mm)	150*85*109
internal resistance	<10mΩ	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



LiFePO4

Electric bicycle lithium iron phosphate battery

Product features:

Lithium iron phosphate battery are about 50%-70% lighter than traditional lead-acid batteries, the body is lighter, and the energy consumption is lower when riding. At the same time, Lithium iron phosphate battery have high energy density, more storage capacity under the same volume, and can support longer endurance. The cycle life of lead-acid batteries is usually 300-500 times, while the cycle life of lithium iron phosphate batteries can reach more than 2000 times. Normal use can last for 3-5 years, reducing the frequency of replacement, and the cost is lower in the long run.

- Intelligent protection
- Long life
- High charging efficiency
- Light weight

PRODUCT PARAMETERS:

Model	Voltage (V)	Capacity (Ah)	Quantity (PCS)	Total voltage (V)	Product size (L * W* H)
48V20	12.8	20	4	51.2	180*75*166 MM
60V20	12.8	20	5	64	180*75*166MM
72V20	12.8	20	6	76.8	180*75*166 MM

Model	Voltage (V)	Capacity (Ah)	Quantity (PCS)	Total voltage (V)	Product size (L * W* H)
48V40	12.8	40	4	51.2	180*75*166 MM
60V40	12.8	40	5	64	180*75*166 MM
72V40	12.8	40	6	76.8	180*75*166MM

48V20

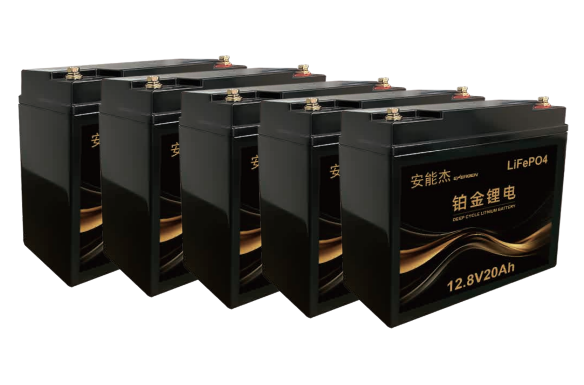
Electric bicycle lithium iron phosphate battery

Voltage	12.8V
Capacity	20Ah
PCS	4
Total voltage	51.2V
Charging voltage	58.4V
Cycle life	>2000C
Weight	2KG±0.2KGx4
Dimensions (mm)	180*75*166
Working temperature	-20～80℃
Warranty Period	36 months

60V20

Electric bicycle lithium iron phosphate battery

Voltage	12.8V
Capacity	20Ah
PCS	5
Total voltage	64V
Charging voltage	73V
Cycle life	>2000C
Weight	2KG±0.2KGx5
Dimensions (mm)	180*75*166
Working temperature	-20～80℃
Warranty Period	36 months



72V20

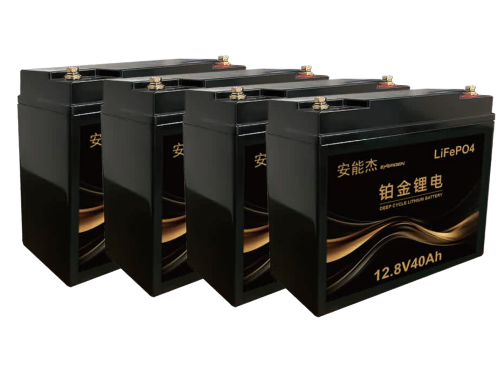
Electric bicycle lithium iron phosphate battery

Voltage	12.8V
Capacity	20Ah
PCS	6
Total voltage	76.8V
Charging voltage	87.6v
Cycle life	>2000C
Weight	2KG±0.2KGx6
Dimensions (mm)	180*75*166
Working temperature	-20～80℃
Warranty Period	36 months

48V40

Electric bicycle lithium iron phosphate battery

Voltage	12.8V
Capacity	40Ah
PCS	4
Total voltage	51.2V
Charging voltage	58.4V
Cycle life	>2000C
Weight	3.5KG±0.2KGx4
Dimensions (mm)	180*75*166
Working temperature	-20～80℃
Warranty Period	36 months



60V40

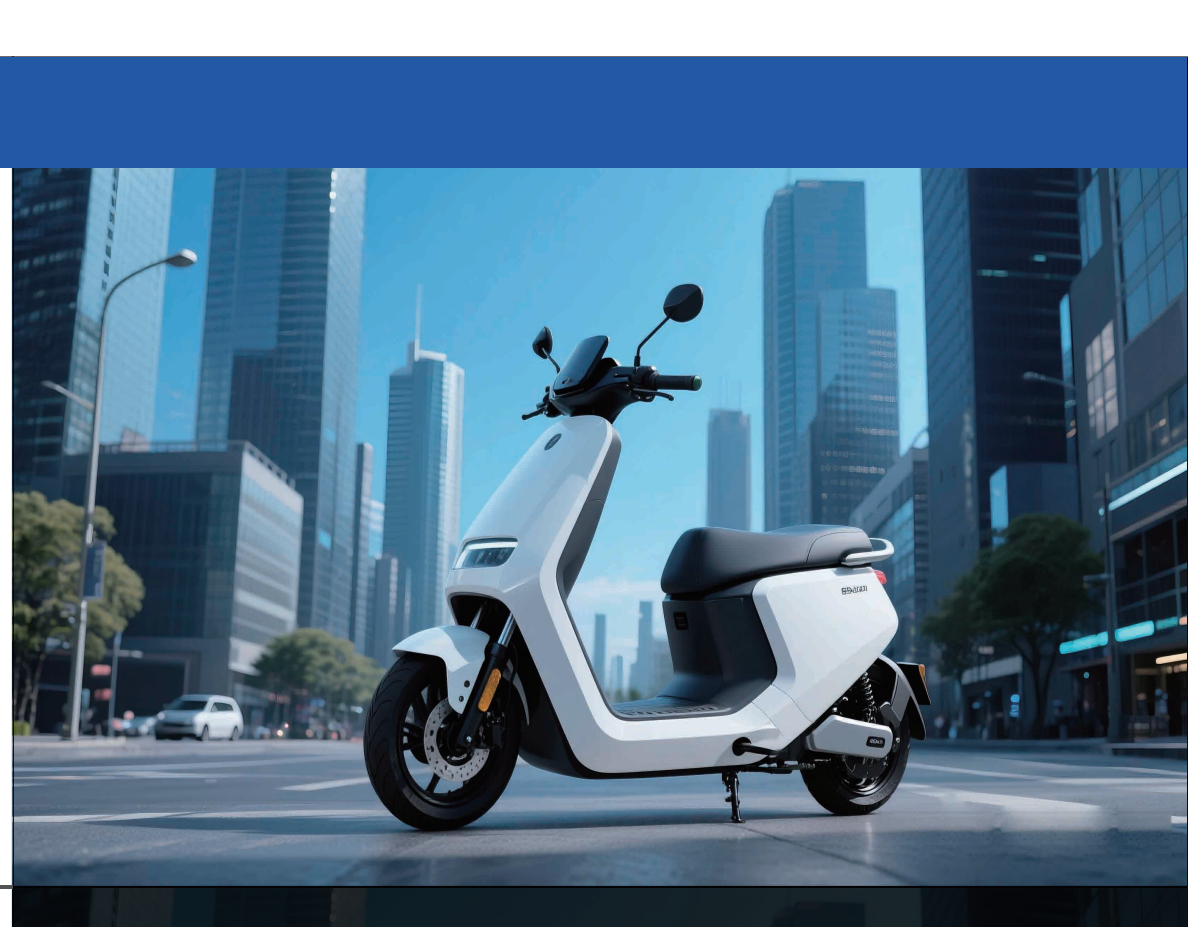
Electric bicycle lithium iron phosphate battery

Voltage	12.8V
Capacity	40Ah
PCS	5
Total voltage	64V
Charging voltage	73V
Cycle life	>2000C
Weight	3.5KG±0.2KGx5
Dimensions (mm)	180*75*166
Working temperature	-20～80℃
Warranty Period	36 months

72V40

Electric bicycle lithium iron phosphate battery

Voltage	12.8V
Capacity	40Ah
PCS	6
Total voltage	76.8V
Charging voltage	87.6v
Cycle life	>2000C
Weight	3.5KG±0.2KGx6
Dimensions (mm)	180*75*166
Working temperature	-20～80℃
Warranty Period	36 months



LiFePO4

Lithium iron phosphate battery for energy storage

Product features:

It can store more electricity in a smaller volume and weight, suitable for energy storage scenarios with high space requirements, such as new energy vehicles, portable electronic devices, etc. Under normal use, it can be charged and discharged thousands of times, reducing the frequency and cost of battery replacement, and has obvious advantages in scenarios that require long-term stable operation such as energy storage power stations. The charge and discharge efficiency can reach more than 80%, which reduces the loss of energy in the process of storage and release, and improves the efficiency of energy utilization. The charge and discharge switching can be completed in an instant, and the demand for peak regulation and frequency modulation of the power grid can be quickly responded to to improve the stability and reliability of the power grid.

- Intelligent protection
- Long life
- High charging efficiency
- Light weight

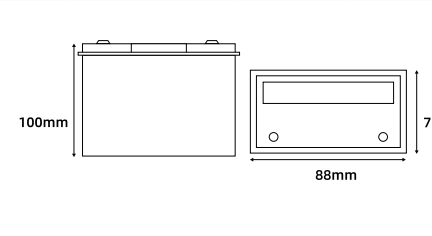
PRODUCT PARAMETERS:

Model	Voltage (V)	Capacity (Ah)	Energy (Wh)	Current (A)	Product size (L * W * H)
12V5	12.8	5	64	5	88*70*100MM
12V7	12.8	7	89.6	7	147*64*93MM
12V12	12.8	12	153.6	12	150*99*99MM
12V20	12.8	20	256	20	180*75*166 MM
12V36	12.8	36	460.8	36	197*166*175MM
12V50	12.8	50	640	50	229*137*211MM
12V100	12.8	100	1280	100	330*172*220MM
12V200	12.8	200	2560	200	522*240*218MM

12V5

Lithium iron phosphate battery for energy storage

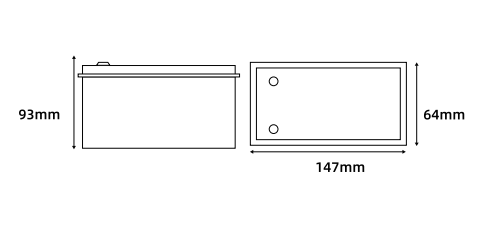
Voltage	12.8V	Cycle life	>2000C
Capacity	5Ah	Weight	0.6KG±0..2KG
Energy	64Wh	Dimensions (mm)	88*70*100
Maximum current	5A	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



12V7

Lithium iron phosphate battery for energy storage

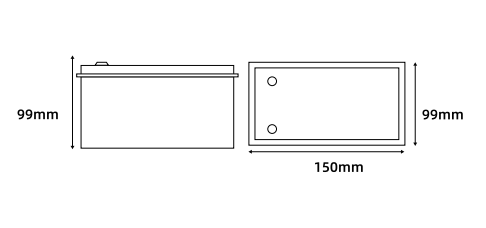
Voltage	12.8V	Cycle life	>2000C
Capacity	7Ah	Weight	1KG±0.2KG
Energy	89.6Wh	Dimensions (mm)	147*64*93
Maximum current	7A	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



12V12

Lithium iron phosphate battery for energy storage

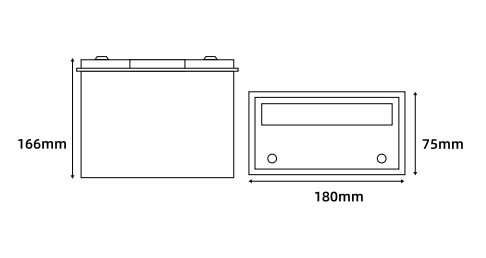
Voltage	12.8V	Cycle life	>2000C
Capacity	12Ah	Weight	1.3KG±0.2KG
Energy	153.6Wh	Dimensions (mm)	150*99*99
Maximum current	200A	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



12V20

Lithium iron phosphate battery for energy storage

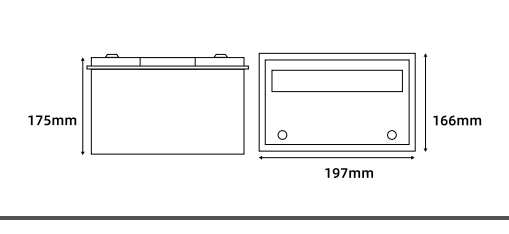
Voltage	12.8V	Cycle life	>2000C
Capacity	20Ah	Weight	2KG±0.2KG
Energy	256Wh	Dimensions (mm)	180*75*166
Maximum current	20A	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



12V36

Lithium iron phosphate battery for energy storage

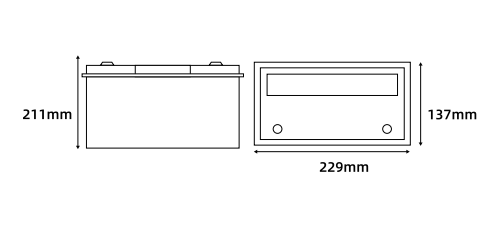
Voltage	12.8V	Cycle life	>2000C
Capacity	36Ah	Weight	3.5KG±0.2KG
Energy	460.8Wh	Dimensions (mm)	197*166*175
Maximum current	36A	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



12V50

Lithium iron phosphate battery for energy storage

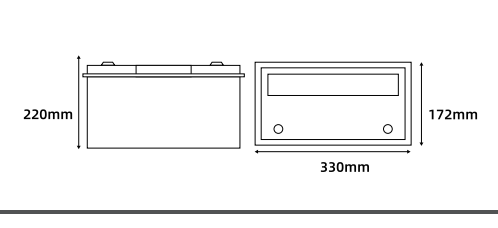
Voltage	12.8V	Cycle life	>2000C
Capacity	50Ah	Weight	5KG±0.5KG
Energy	640Wh	Dimensions (mm)	229*137*211
Maximum current	50A	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



12V100

Lithium iron phosphate battery for energy storage

Voltage	12.8V	Cycle life	>2000C
Capacity	100Ah	Weight	10KG±0.5KG
Energy	1280Wh	Dimensions (mm)	330*172*220
Maximum current	100A	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months



12V200

Lithium iron phosphate battery for energy storage

Voltage	12.8V	Cycle life	>2000C
Capacity	200Ah	Weight	20KG±0.5KG
Energy	2560Wh	Dimensions (mm)	522*240*218
Maximum current	200A	Working temperature	-20～80℃
Charging voltage	14.6v	Warranty Period	36 months