



Product Features



Extremely long cycle life:

The battery capacity is over 80% after 1C charge and discharge under 100% DOD condition for 3,500 cycles. The design life is up to 10 years.



Zero maintenance:

No water filling, no terminal tightening and cleaning of acid deposits on the top of our batteries.



3-year warranty:

We will offer a 3-year warranty service to ensure the professional technical support and replacement for WHET LiFePO4 golf cart batteries. Kindly check the details with our local sales.



Fast charge:

Up to 2.5 hours fast charging time



Ultra-safe:

The LiFePO4 batteries have more thermal and chemical stability and they also contain multiple built-in protection functions: over charge protection, over discharge protection, over heated protection, short circuit protection, etc.

Appearance and size

Dimension:

T*W*L: 150 x460x600mm (customisable)

No.	Item	Size(±5mm)	Note
1	Length(L)	600	
2	Width(W)	460	
3	Thickness(T)	150	
4	Colour	Black or Green	Print your logo



Dimensions do not include mounting brackets and handles

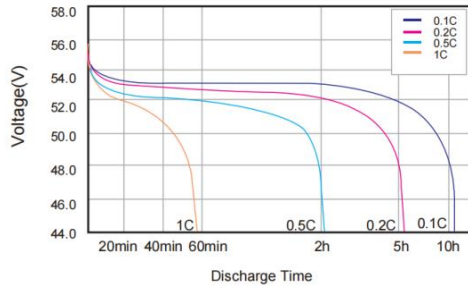
Technical Specifications

Basic parameters	Battery Model	WH 51.2V 100Ah
	Cell type	3.2V 100Ah A Grade cells
	Rated capacity	100Ah @C2, 25°C
	Rated voltage	51.2V 16S
	Energy	5.12Kwh
	Working voltage range	41.6V ~ 58.4V
	Cycle life@100%	≥ 3500 cycles (5.12KWh@C2, 25°C)
	Cycle life@80%	≥ 3000 cycles (4.096KWh@C2, 25°C)
	Size	200*400*610mm(customisable)
	Weight	≈50Kg
	Terminal Or Cable	M8 Or 350mm Cable
	Shell material	sheet metal
Charge	Charge mode	At 0°C~55°C temperature, charged to 58.4V at a constant current of 20A, and then, changed continuously with constant voltage of 58.4V until the current was not more than 3A.
	Recommended charge current	20A-50A
	Max charge current	200A
	Max charge voltage	58.4 V DC
Discharge	Max continuous discharge current	200A continuous (25°C)
	Maximum discharge current of 5S	400A@ (25°C)
	Maximum discharge current of 30S	300A@ (25°C)
	Discharge protection voltage	41.6V
	Self-discharge	≤ 2% per month
Using environment	Charging temperature range	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
	Discharge temperature range	-20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity
	Storage temperature range	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
	Enclosure IP grade	IP54
BMS Battery pack performance	Overcharge protection function	Yes
	Short circuit protection function	Yes
	Temperature protection range	Yes
	Recovery method after the above protection	Bluetooth restart
	Balanced performance	Yes
	Bluetooth activation method	Automatic activation of charging or discharging
	Battery external communication method	Method Bluetooth

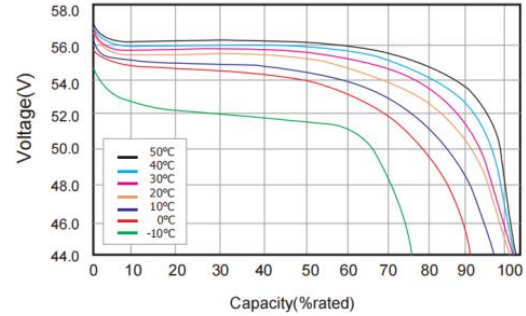
Performance Curve

🔌 Different current/Temperature Discharge curves

Different Rate Discharge Curve @25°C

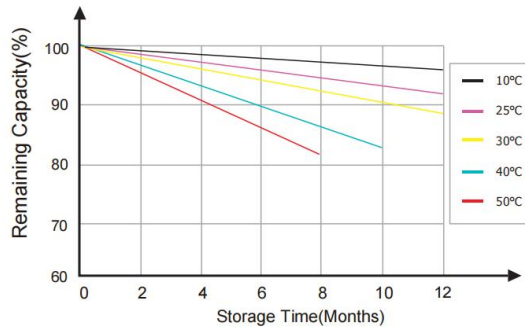


Different Temperature Discharge Curve @0.5C

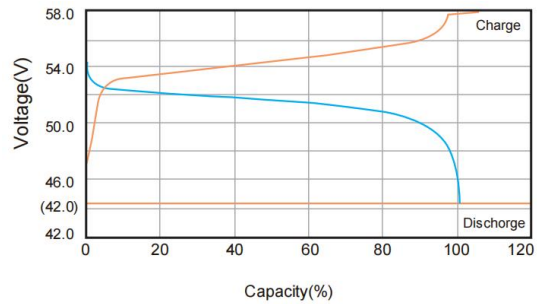


🔌 Charging and Discharge curve

Charge and Discharge at 25°C, 0.5C

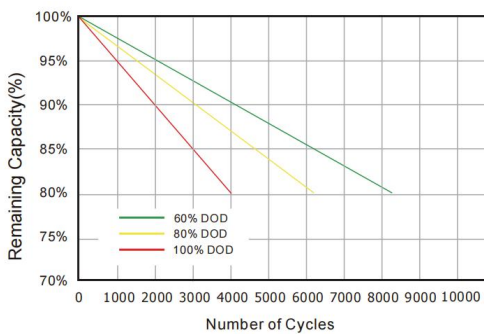


Different Temperature Self Discharge Curve

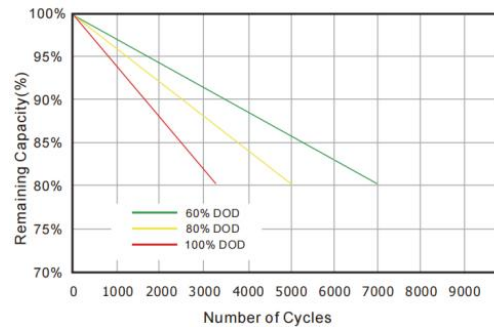


🔌 Cycle Life Curve

Different Discharge Depth Life Curves & 25°C, 0.5C



Different Discharge Depth Life Curves & 40°C, 0.5C



Bluetooth Introduction:

The APP mainly displays: lithium battery voltage, current, capacity, temperature and other curves, charge and discharge switch control, SOC, battery voltage, Charge and discharge current, protection status, basic parameters, etc., through the background permission operation, you can also set the parameters of the lithium battery protection board to make the health status of the lithium battery more transparent and ensure the safety of the use of the lithium battery. According to market feedback, the upgraded version of Xiaoxiang Electric optimizes the overall interface, adopts a modular layout, and adds more parameters and function settings, just to bring users a faster, more complete and stronger experience:

IOS-client



Android-client



APP User Guide

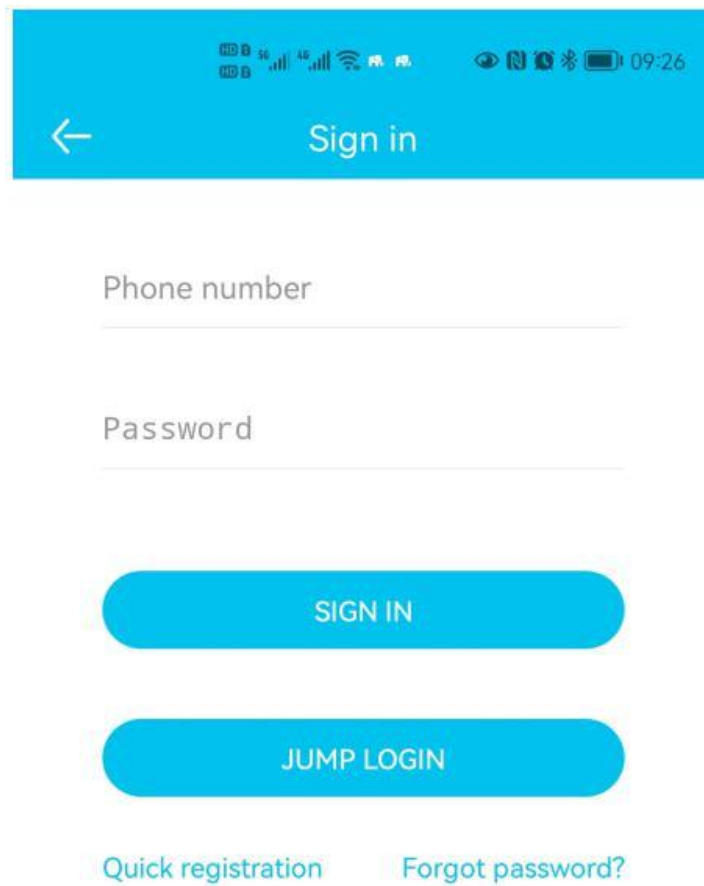
3.1 Operating Environment

Android version 5.0 / IOS version 10.0 or above, it can be used on devices that support Bluetooth 4.0, and after obtaining the permission to use Bluetooth and GPS, it can run.

3.2 Login connection

3.2.1 Registering an Account

After the Xiaoxiang Electric APP is successfully installed, open the APP, allow Bluetooth to be turned on, and obtain location information, the APP will automaticThe account registration page pops up, please enter the mobile phone number as required, set the password, and click Confirm when finished

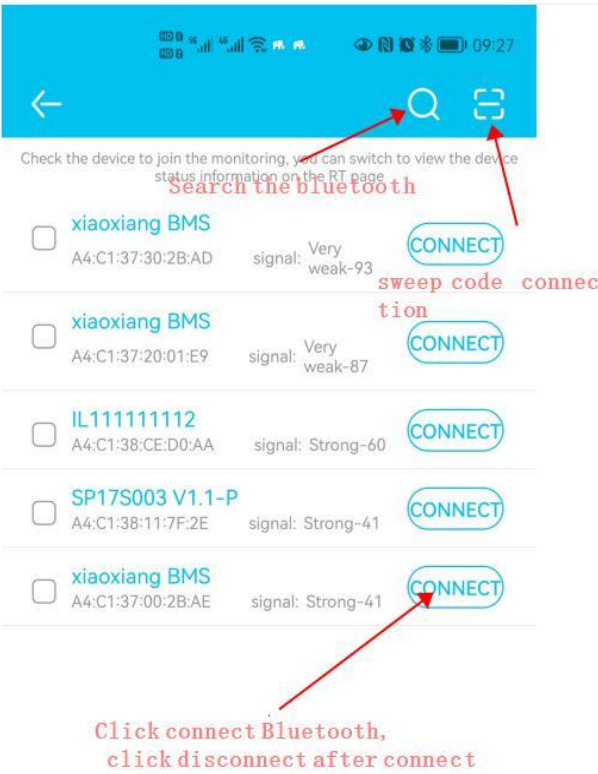


APP physical display Figure 1

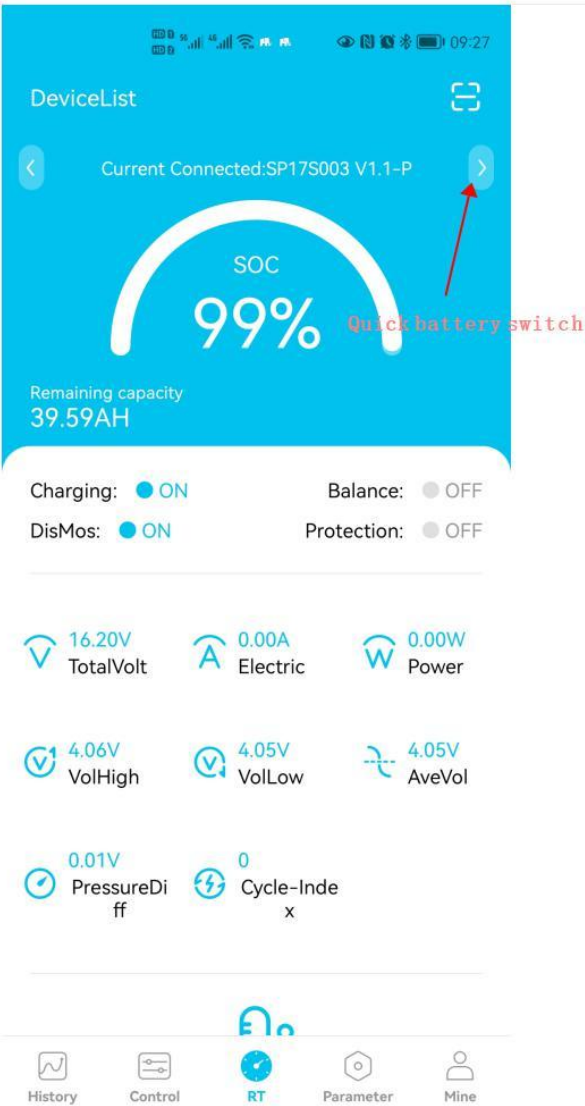
3.2.2 Bluetooth connect/disconnect

- (1) Connect to Bluetooth: After successful login, the APP will jump to the Bluetooth list, select the Bluetooth that needs to be connected to connect.
 - (2) Switch battery: When there are multiple batteries, you can check multiple Bluetooth names in the list, and quickly switch the battery to be connected on the real-time interface
 - (3) Scan code connection: In the upper right corner of the real-time interface, click the scan code button to connect directly by scanning the barcode of the Bluetooth module
 - (4) Search for Bluetooth: On the device list page, when there are multiple batteries, you can quickly find the battery that needs to be connected by searching for the Bluetooth name
 - (5) Disconnect Bluetooth: On the device list page, click Disconnect
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WH 51.2V-100Ah



APP physical display Figure 2



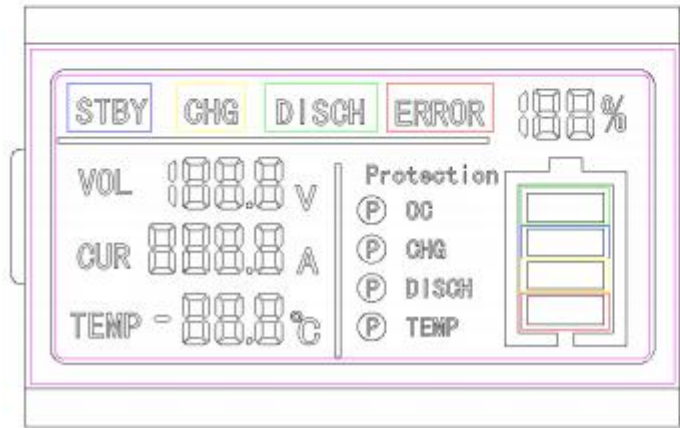
APP physical display Figure 3

LCD Display(Big and small LCD according to your demands to choose):

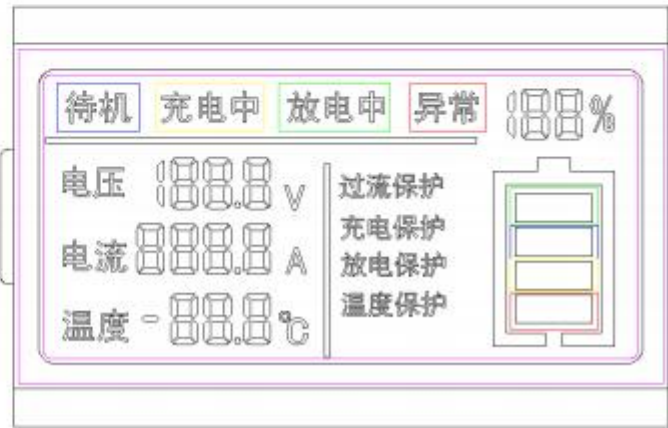
三、显示内容说明:



英文版



中文版



Small LCD(default)

Big LCD(Optional)

11.The main interface after unlocking:



WH 51.2V-100Ah

2, Main data and control interface: click on the top of this page CHG and DSG The corresponding button can control charge and discharge MOS The switch of the tube.



3, Single cell voltage display page:

