



Protection parameters

order number	project	content	acceptance standard
1	Cell monomer overvoltage	Single string of overvoltage alarm voltage	3.55V
		Single-string voltage	3.65V
		overvoltage protection voltage	
		Overcharge protection measures	Disconnect output (voltage drop automatic recovery)
2	Cell monomer undervoltage	Single string of undervoltage alarm voltage	2V6
		Single-string of undervoltage protection voltage	2.5V
		Overrelease protection measures	Disconnect output (voltage rise automatic recovery)
		Total voltage overvoltage alarm voltage	56.4V
3	stagnation pressure overvoltage	Total voltage overvoltage protection voltage	58V
		Overcharge protection measures	Disconnect output (voltage drop automatic recovery)
4	stagnation pressure undervoltage	Total voltage undervoltage alarm voltage	46V
		Total voltage and undervoltage protection voltage	42V
		Overrelease protection measures	Disconnect output (voltage rise automatic recovery)
		Overflow protection measures	Disconnect the output
5	cell High temperature charging	Charging high temperature alarm	55
		Charge overtemperature protection	65
6	cell Low temperature charging	Charging low temperature alarm	0
		Charging low temperature protection	5
7	cell High temperature discharge	Discharge high temperature alarm	50
		Discharge high temperature protection	65
8	cell Low temperature discharge	Discharge low temperature alarm	0
		Discharge low temperature protection	-10
9	Charging over the flow	Charging over-flow warning	50
		Charging over-current protection	110
10	Discharge overflow	Overflow warning for discharge	100
		Discharge overcurrent protection	110
11	short	Output short circuit protection	560A

System parameters

order number	project	characteristic
1	Rated capacity (Ah)	100
2	Rated energy (kWh)	5.12
3	nominal voltage (V)	51.2
4	Cell specification	3.2V 100Ah
5	system configuration	IP16S
6	Box size (mm)	400 * 440 * 222 (excluding hanging ear handle) Base station: 5U size
7	weight (Kg)	~50
8	Charging stop voltage (V)	56.4
9	Discharge cut-off voltage (V)	46
10	Rated Charge current (A)	50
11	Rated discharge current (A)	80
12	30s discharge current (A)	100
13	Monitoring communication interface	RS485 standard communication interface with RS232 or RS485 / 422, Ethernet, USB, the communication protocol shall refer to the battery detection device communication protocol in 3B / T1363.2, and shall provide communication cables and various alarm signal output terminals used together with the communication interface
14	Charge and discharge with different month	The same month
15	working temperature (°C)	Charging charge: 0-45 Discharge charge: -20-60
16	Storage temperature (°C)	10-45
17	shipment SOC	50%-50%
18	box	Sheet sheet metal material black

Note: The temperature condition is 25 ± and 2°C.



Function introduction

Acquisition function: single voltage, temperature, current, total voltage acquisition; measurement range of single battery voltage: 0 <UD <5V; temperature measurement range: -40~125°C.

It has the function of voltage detection, total voltage of lithium battery pack, and charge / discharge current detection. It has the SOC estimation function.

Protection function: after temperature, single voltage, total voltage, and current exceed the protection threshold.

Have the function of resting position.

Matters need attention

warn

Never put your batteries in the fire, heat them, or store them in an environment above the temperature specified in the specification. Do not attach the positive and negative extremes to the charger or device.

It is forbidden to contact the positive and negative poles of the batteries with a wire or any metal (such as a necklace or a hairpin). If so, these batteries are transported and stored together, which may cause a short circuit.

Do not hammer or step on the battery, and use no other ways to strike the battery.

Do not dismantle or change the external structure of the battery.

Never soak your batteries in water or wet them.

pay attention to!

When the battery runs up, please charge it promptly (after 15 days).

The battery should be charged with the original charger, and according to the correct operation instructions, the voltage, temperature and other batteries are within the prescribed range, so as to ensure the safe and effective use of the battery.

Please stop using the battery in abnormal conditions such as odor, discoloration, noise, leakage, and serious deformation.

When the electrolyte leaks into the skin and eyes, please rinse with water and see a doctor immediately.

Please place the battery beyond the pet and the child, and prohibit the child from touching the battery.

The battery pack is prohibited to be used in series. If you need a series application, please contact the manufacturer for consultation.

The battery pack is prohibited to be used in parallel. If you need a series application, please contact the manufacturer for consultation.

The battery should be stored at room temperature and should be charged to 40% to 60% of the electricity. To prevent the battery from going down, charge every month. The battery should be used under the specified conditions and not stored for more than 3 months.

For batteries stored for more than a year, performance is not guaranteed.