

Product Features

Applicable to energy storage, standby power supply, etc.

- Safe and reliable circuit designed.
- Intelligent electricity calculation, protection of over-current, over-charge, over-discharge, over-temp, under-temp, protection of short circuit.
- Provide balancing function.
- Long cycle life, wide working temp range, can replace lead-acid battery.
- Bluetooth function can be selected to support Android and Apple iOS system.
- 100A continuous discharge current.

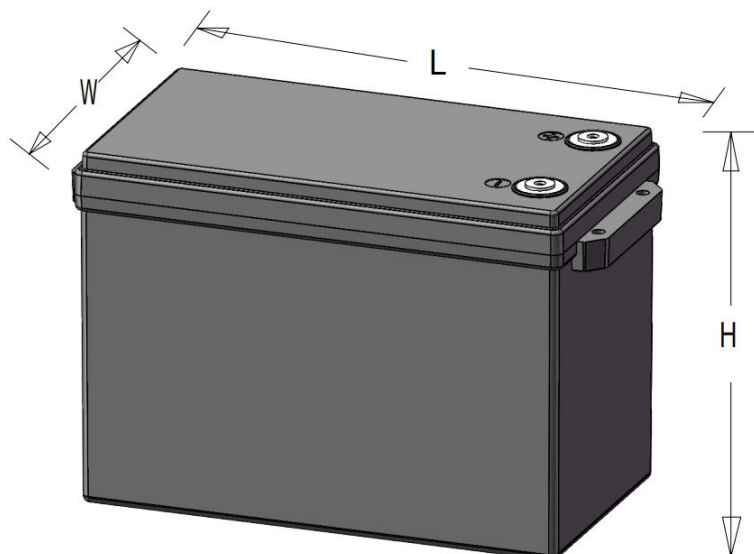
Technical Specifications

GENERAL INFORMATION	
Battery Type	LiFePO4
Usable Capacity	1280 Wh @C2, 25°C
Nominal Voltage	12.8 VDC
Operating Voltage Range	10.4VDC--14.6VDC
Charge Temperature	0°C to 60°C @65±20% Relative Humidity
Discharge Temperature	-20°C to 60°C @65±20% Relative Humidity
Cycle Life @ 100% DoD	> 3500 cycles (1280Wh @C2, 25°C)
Cycle Life @ 80% DoD	> 5000 cycles (1024 Wh @C2, 25°C)
Dimensions (mm)	385mm x 195mm x 250mm (L x W x H)
Weight (kg)	Appro 11 kg
Charge Current (max.)	50A continuous(25°C)
Discharge Current (max.)	100A continuous(25°C)
Over-charge protection	3.65V
Over-charge release	3.40V
Under-discharge protection	2.60V
Under-discharge release	2.80V
Over-current protection	150A
Over-current delay	10 S
Charging over-temperature protection	60°C
Charging under-temperature protection	0°C
Discharge over-temperature protection	60°C
Discharge under-temperature protection	-20°C
Self-discharge Rate	< 3% per month
IP-protection	IP65
Bluetooth function	Optional function

Note1: The above parameters will be modified according to the optimization and upgrading of the product, which will have no impact on the use without further notice.

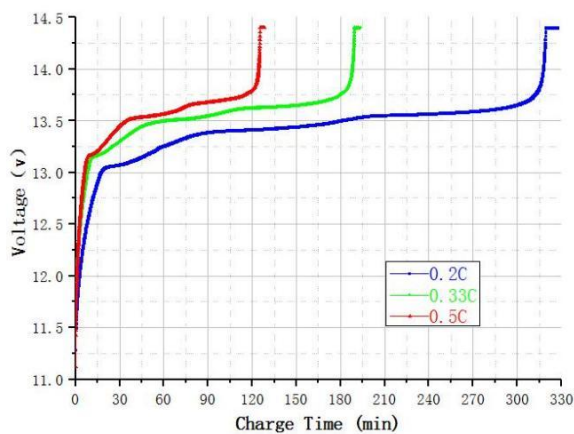
Note2: If the use scenario has vibration conditions or special waterproof requirements, it needs to be put forward when placing an order, which will have no impact on the use without further notice.

Dimension: 385*195*250 (L x W x H) Unit:mm

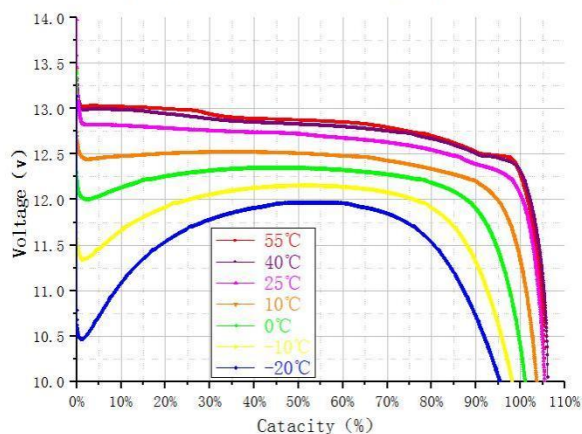


Performance Curve

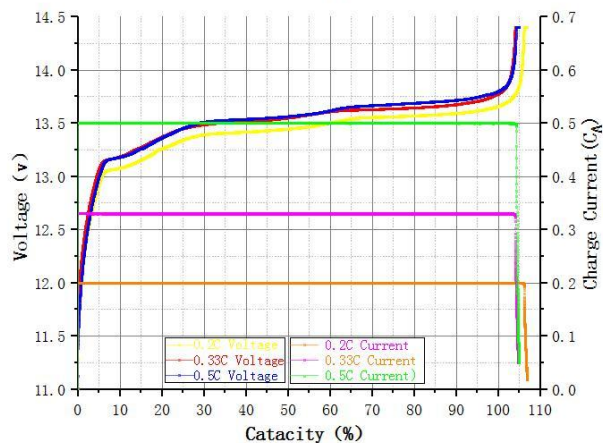
Different Rate Charge Curve@25°C



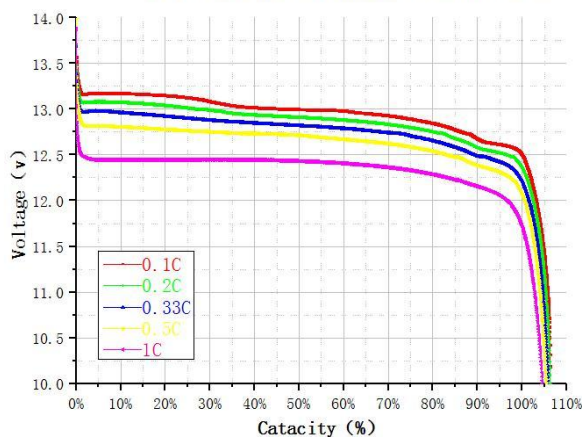
Different Temp. Discharge Curve@0.5C



Charge Characteristics@25°C



Different Rate Discharge Curve@25°C



Precautions for use

- Before using the product, please read the product specification carefully to understand the use parameters and application scope of the product; the company does not assume any responsibility for product damage or indirect losses caused by improper use of the product, over-range use, etc.
- The battery pack can only be used individually, and it is forbidden to use it in series or in parallel.
- Do not short-circuit battery.
- Forbid to reverse the positive and negative pole.
- Prohibit use beyond the current range.
- Forbid to use battery pack over 60℃, otherwise, the battery pack will overheat, which will affect battery performance and shorten battery life.
- Long-term storage, check the power in time at least every 3 months. When the battery power is less than 10%, please charge it to more than 30%(soc≥30%) in time.
- 15~40℃ charging temperature is suggested, which is beneficial to have better battery performance.
- Forbid to throw the battery pack into fire or heat it.
- It is forbidden to directly immerse, the battery in water, and it is forbidden to wash the outside.
- If there is a problem, please contact the manufacturer in time, and it is forbidden to disassemble the battery pack without permission.
- Manufacturer reserve the right to alter or amend the design, model and specification without prior notice.