

Product Features

- Applied to home energy storage, communication, back-up power.
- CAN interface for communication with inverter.
- Double RS485 interface, support parallel communication.
- Modular stacking design for flexible use of power, Battery pack power range from 5KWH to 25KWH
- The battery chassis is equipped with pulleys for easy and fast movement
- Flexible configuration, easy to install, plug and play
- WiFi/GPRS remote monitoring

Technical Specifications

GENERAL INFORMATION					
Specifications	5KWH	10KWH	15KWH	20KWH	25KWH
Maximum power	5KW				
Battery Type	LiFePO4				
Nominal Voltage	51.2 VDC				
Battery Capacity（Ah）	100	200	300	400	500
Max Discharge Current (A)(25℃)	50A	100A			
Max Charge Current (A)(25℃)	100A				
Cooling method	natural cooling				
Charge Temperature	0℃ to 60℃@65±20% Relative Humidity				
Discharge Temperature	-20℃ to 60℃@65±20% Relative Humidity				
Cycle Life @ 80% DoD	> 5000 cycles（ @C2, 25℃）				
Cycle Life @ 70% DoD	> 7000 cycles（ @C2, 25℃）				
Dimensions (mm) (W x D x H)	550*450*283	550*450*465	550*450*647	550*450*829	550*450*1011
Battery Weight (kg)	58	110	162	214	266
Inverter Weight (kg)	20				
Inverter parameters					

Rated Power	5000VA/5000W
System DC Voltage	48VDC
AC Voltage	220V-230V-240VAC
Surge Power	10000VA
Peak Efficiency	93%
Transfer Time	10ms(For Personal Computers) 20ms(For Home Appliances)
Waveform	Pure Sine Wave
Max.PV Array OpenCircuit Voltage	450VDC
MaxPV Array Power	6000W
Operating VoltageMPPT Range	120~430VDC
Battery OverchargeProtection	60VDC
Max.Solar ChargeCurrent	100A
Max.AC ChargeCurrent	80A
Max.Charge Current	100A
Max PVInput Current	22A
Protection	Overload,Short circuit, Overcurrent,Overvoltage, Undervoltage,Over-Frequency, Under-Frequency, Overheat, Lightning, Surge Power
Other parameters	
Self-discharge Rate	< 3% per month
IP-Protection	IP51
Safety certification	UN38.3
Communication port with inverter	CAN or RS485

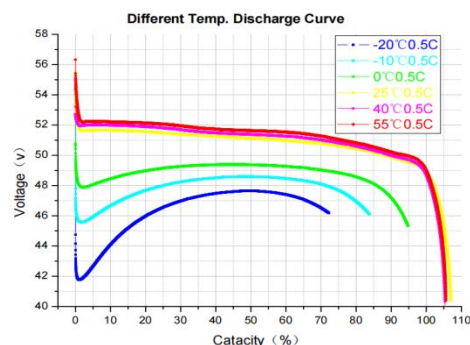
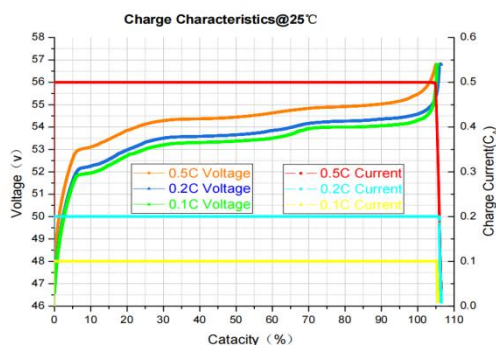
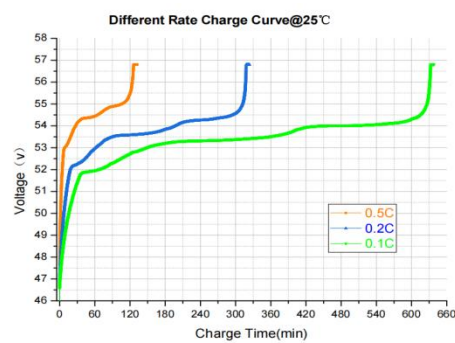
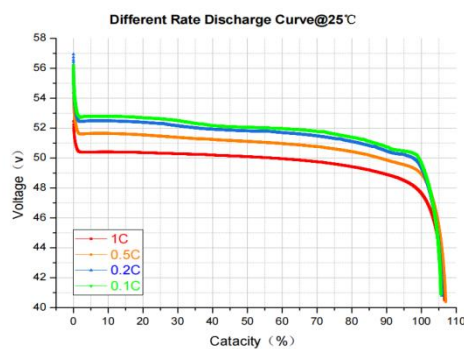
Note: The product parameters in the above table will be upgraded and optimized in the future, and will not be notified separately

Appearance diagram:



The number of battery module stacking layers can be arbitrarily set from 1 to 5, with a capacity of 100AH to 500AH

Performance Curve



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 connected in parallel, not in series;
- 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.

