



25.6V 120AH LiFePO4 Battery

Lithium Iron Phosphate



OVER DISCHARGE
PROTECTION



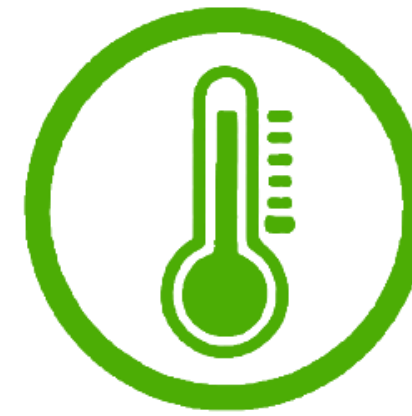
OVER DISCHARGE
PROTECTION



OVER CHARGE
PROTECTION



SHORT CIRCUIT
PROTECTION



TEMPERATURE
PROTECTION

1. Conventional technical parameters:

Description	General parameters	Remark
Total Energy	3072 Wh	
Cycle Life	≥4000 Times	@25 °C/0.2C/0.2C 80%DOD
Rated Capacity	Nominal Capacity:120Ah	
	Minimum according to the discharge rate	
Rate Voltage	25.6V	Working Voltage
End-off Voltage	21.6V	End-of-discharge
Charging Cut-off Voltage	29.6V	Upper Battery Voltage
IR	≤100mΩ	Test in AC 1KHZ
Max. Charge Current	50A	
Max. Discharge Continuous Current	100A	
Max. Instantaneous Discharge Current	200A(3S)	
Operating Temperature	Charge: 0~50°C	
	Discharge: -20~60°C	
Product Size/mm	522*240*218	±3mm
Net Weight	Approx. 26.5kg	±3%

2. Battery BMS basic parameters

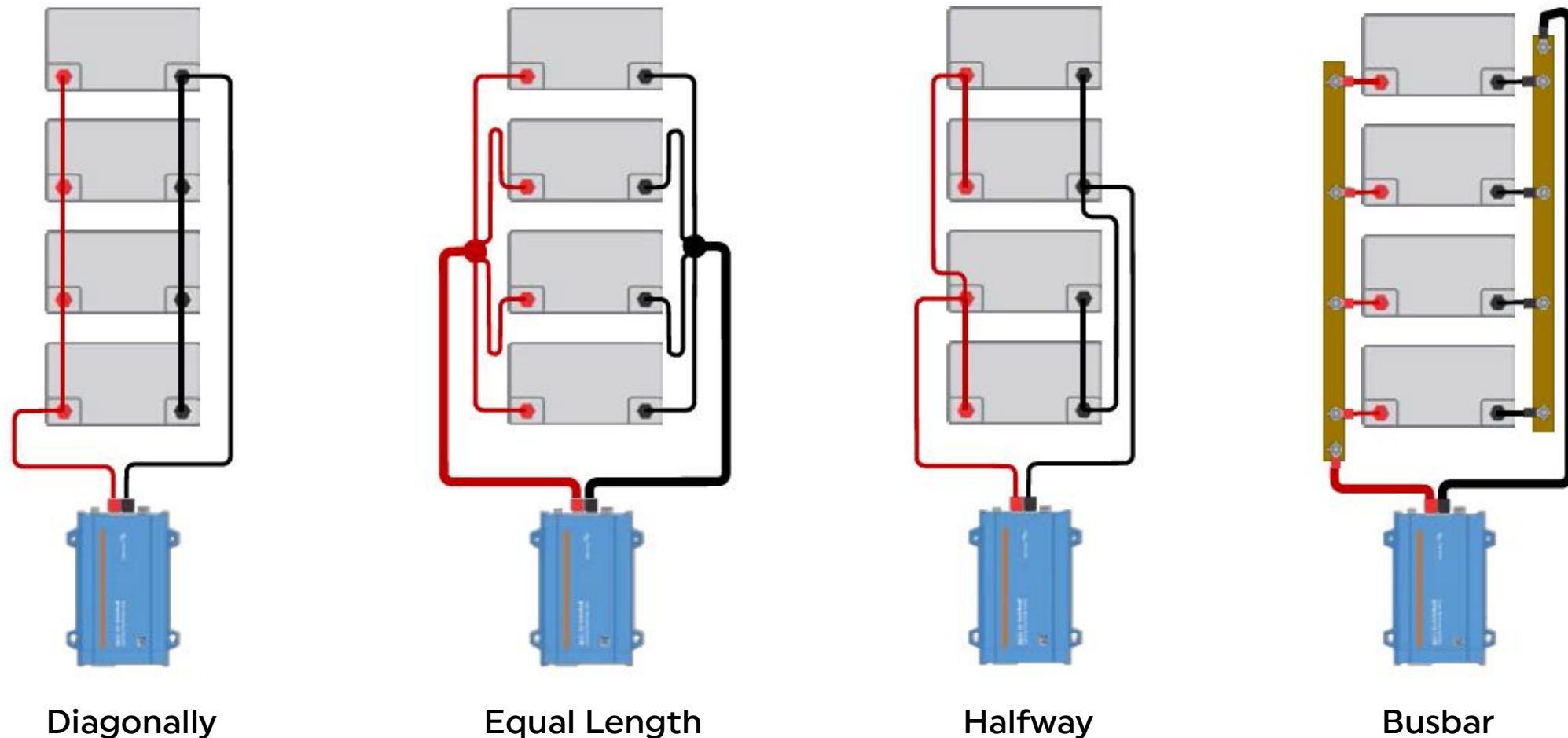
Charging Voltage	29.2V
Continuous charging/discharging current	50~100A
Operating Temperature	-20°C~75°C
Main Function	
Overvoltage and Undervoltage Protection	Overcurrent Charge
Overcurrent Discharge	Short Circuit Discharge
Overtemperature Charge	Undertemperature Charge
Overtemperature Discharge	Undertemperature Discharge
High Temperature Protection of FET(Built-in)	Balance Function

3. Battery parallel method

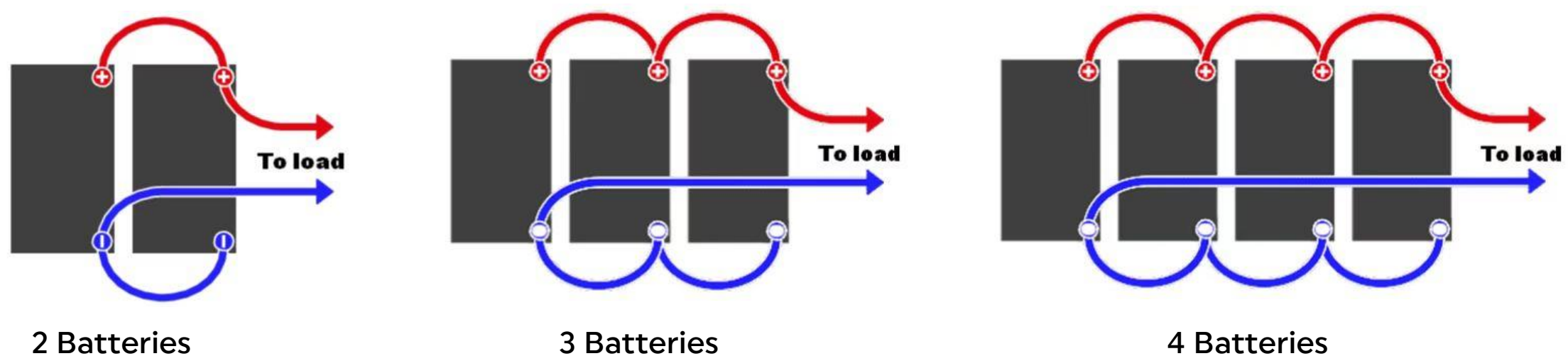
The correct way to connect multiple cells in series/parallel is to ensure that the total path of current in and out of each cell is equal. There are 4 ways to do this:

1. Diagonal connection.
2. The length of the cable from the inverter to each battery must be equal.
3. Center diagonal connection, ensure that the length of all cables are the same.
4. Use bus bars.

Note: Not supported in series and advice less than 4 pcs in parallels. Before the batteries are connected in parallel, please charge the individual battery first, and then connect them in parallel for 24 hours, so that the batteries are automatically balanced between themselves.



4. Battery parallel diagram



5. Battery use precautions

- 1) Never drop the battery into the water. Do not put the battery pack into the fire or heat it.
- 2) It is forbidden to charge and use the battery outside the temperature range specified by us. Do not store, charge or use this product near fire and heat sources.
- 3) When the battery pack gives off odor or leaks, it should immediately stop using or stop charging, and move to an open and ventilated place, away from the fire source, and contact us in time.
- 4) When using the load, do not reverse the positive and negative terminals.
- 5) Do not short-circuit the positive and negative electrodes of the battery with metal conductors.
- 6) The best use temperature of the product is $25\pm 5^{\circ}\text{C}$, if the product is not in this temperature range during use, the discharge capacity will be reduced.
- 7) In case of failure or abnormality during use, please contact us, do not remove the battery pack without authorization.