

LiFePO4 Battery Pack Specification

Model No: 51.2V30Ah

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CONTENT

1. Preface	3
2. Product and Model.....	3
3. Battery Pack Specifications.....	4
4. Standard Test Conditions	4
5. Characteristics	5
6.Characteristics Curve.....	5
7 Cautions	6



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3. Battery Pack Specifications

Items	Standard	Comments
Nominal voltage	51.2V	16S
Typical capacity	30Ah	At 0.2C discharge rate
Max continuous discharge current	100A	
Discharge cut-off voltage	About 40V	
Charge input voltage	58.4±0.05V	Charge mode: CC/CV, Use a constant current, constant voltage(CC/CV)
Charge current	≤15A	
Operation temperature range	Charge/ Discharge	0°C~+45°C/-20°C~+50°C
	Discharge	When the environment temperature is higher than 45°C, please pay attention to ventilation and heat rejection.
Storage temperature range	0°C~40°C (Capacity 80%)	Recommended long-term storage temperature is 15~25°C
Humidity	5%≤RH≤85%	
Cabinet Material	Metal casing	
Total Weight	18kg±2kg	
Size (L*W*H)	483*470*88mm±2mm	
Protection function	Over charge protection、Over discharge protection、Over current protection、Short circuit protection, Temperature protection。	
communication	232/485/CAN	

4. Standard Test Conditions

All test in this specification should be in standard atmospheric conditions: temperature:

25± 5°C, relative humidity: 65±20%.

7. Cautions

- 7.1 Charging current should not be more than maximum charge current specified in the Product Specification, Charging current bigger than recommended current may damage the battery;
- 7.2 Discharging current should be no more than maximum discharge current specified in the Product Specification ; Discharging current bigger than recommended discharge current may damage the battery;
- 7.3 It should be noted that the cell would be possible to be at a over-discharged state by its self-discharge characteristics in case the cell is not used for long time. In order to prevent over-discharging, the cell shall be charged periodically to maintain between 52.8V and 53.6V (Recommended 3 months one cycle) .Over-discharging may causes loss of cell performance, characteristics, or battery functions;
- 7.4 Please charge the battery within 12 hours after use;
- 7.5 Battery storage environment follow the above conditions and in standard atmosphere, should be without strong magnet, no power, no static;
- 7.6 Do not reverse the polarity of the battery pack for any reason;
- 7.7 Do not short circuit the battery pack;
- 7.8 Do not reverse polarity charging;
- 7.9 Battery packs can be combined in series or in parallel according to the specification;
- 7.10 Do not immerse the battery pack in water or sea water, or get it wet;
- 7.11 Do not disassemble battery;
- 7.12 Do not expose the battery to extreme heat or flame;
- 7.13 Please use a compatible charger for charging;