

LiFePO4 - 24V 200h V1

JB-LFP24-200CC

### Dimension (with case)

Length	585mm
Width	280mm
Height	280mm
Weight	45kg



### Electrical Specification

Nominal voltage	24V (25.6V)
Nominal capacity	200Ah
Energy	5120wh
Resistance	≤ 50mΩ
Self discharge	<3% / month
Efficiency	99%

### Charge Specifications

Recommend charge current	20-50A
Max. charge current	100A
BMS charge voltage cut-off	29.2V
Reconnect voltage	28.4V-29.2V
Balancing current	2A
Balancing voltage	3.4V
Charge current (-20 to -10°C)	≤ 0,05C

### Temperature Specifications

Discharge temperature	-20 to 60°C
Charge temperature	0 - 45°C
Storage temperature	-20 to 40°C
BMS high temperature	80°C
Reconnect temperature	50°C

### Features & Benefits

- \* High cycle life: >1000 times @ 80% DOD for effectively lower cost of ownership
- \* Built-in BMS Protection: Battery Management System are incorporated to protect battery from over charging / over discharging / short circuit
- \* Light weight: Dry power lithium batteries has higher energy density wh/kg also being up to 1/3 of SLA battery
- \* Wide operating temp. range: Suitable for users in a wider range of application where ambient temperature is unusually high: up to +60°C

### Mechanical Specifications

Terminal type	M8 Screw
Case material	metal plastic
Enclosure protection	IP55
Cell type	prismatic
Terminal Torque	9-11 Nm

### Discharge Specifications

max. cont. discharge	100A
peak discharge current	200A
BMS discharge current	300A (10ms)
recommend cut-off voltage	20V
BMS discharge cut-off	18,4V
short circuit protection	200-600 μs

### Connection information

max. modules in series	2
max. modules parallel	4

### Other customise service

Smart function: RS485/RS232/Canbus  
or Bluetooth

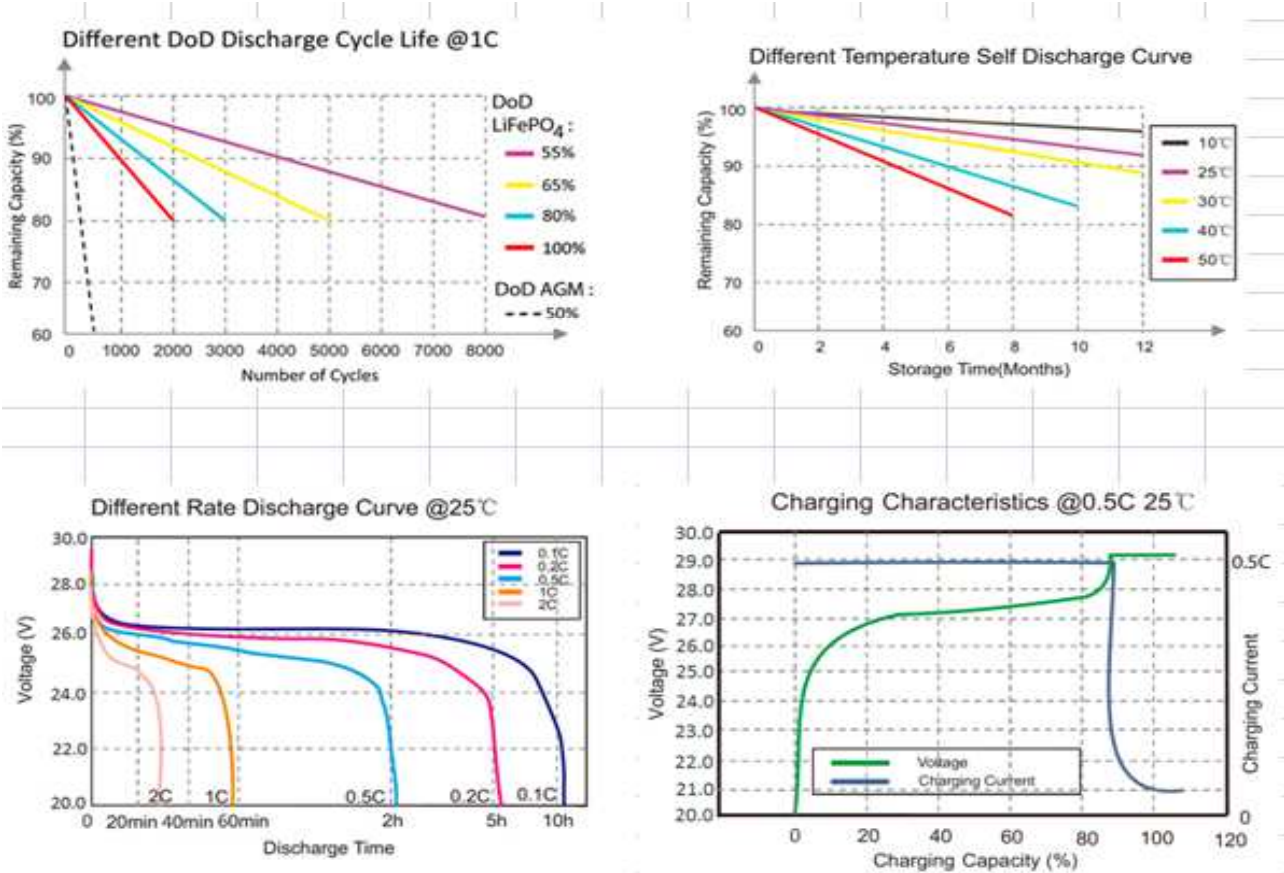
## Suitable applications

\* Lithium Iron Phosphate can be used in any application that would normally use Lead Acid, GEL or AGM type batteries.

\* Lead acid or gel batteries can be easily replaced by LiFePO<sub>4</sub> batteries.  
LiFePO<sub>4</sub> in 4S = 12.8 V and 8S = 25.6 V is close to lead-acid equivalents.

\* Suitable applications included caravan, marine, golf carts, solar storage, remote monitoring, switching applications

## Performance characteristics



## Cautions

- Do NOT expose the battery to water
- Do NOT expose the battery to fire & high temperature
- Do NOT short circuit, crush or disassemble
- Only use LiFePO<sub>4</sub> charger
- Store at 50% capacity, recharge every 3 months.
- The storage area should be clean, cool, dry and ventilated

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