

12V 100AH Lifepo4 Battery

Built with LCD Indicator

ELECTRICAL SPECIFICATION

Nominal Voltage	12.8V
Nominal Capacity	100AH
Capacity @20A	5HR
Energy	1280WH
Resistance	≤20mΩ
Efficiency	99%
Self Discharge	< 3% per month

DISCHARGE SPECIFICATIONS

Max. Cont. Discharge 100A

Peak Discharge Current 200A

Discharge Cut-off voltage 10V

CHARGE SPECIFICATION

Recommended Charge Current 20A-30A

Max. Charge Current 100A

Max Charge Voltage 14.6V

Charge Current (-20 to -10 ° C) ≤0.05 C



MECHANICAL SPECIFICATIONS

Dimensions (L*W*H) 280X210X176mm

Weight 12kg

Terminal Type M8 Screw

Case Material ABS case

Enclosure Protection IP65

Cell Type Prismatic 3.2v 50ah

TEMPERATURE SPECIFICATION

Discharge Temperature -20 to 60 ° C

Charge Temperature 0 to 55 ° C

Storage Temperature -20 to 40 ° C

BMS High Temperature 80 ° C

Reconnect Temperature 50 ° C

OTHER CUSTOMISE SERVICE

FEATURE & BENEFITS

● High Cycle Life: >2000 times @ 80%DOD for effectively lower cost of ownership

● Built-in BMS Protection: Battery Management System are incorporated to protect battery from

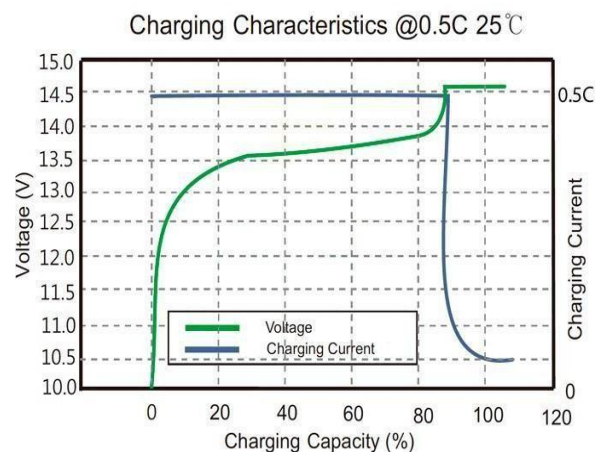
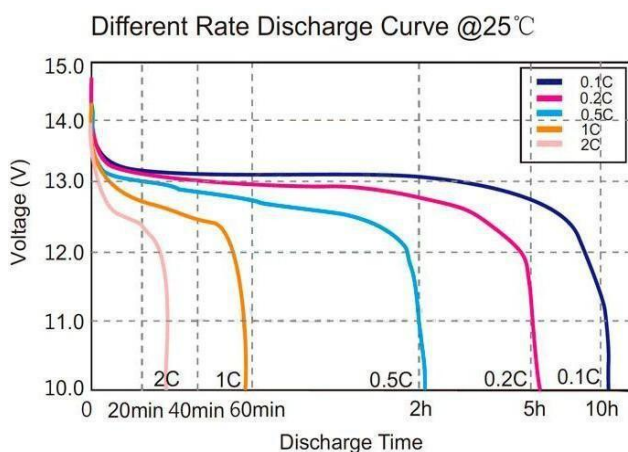
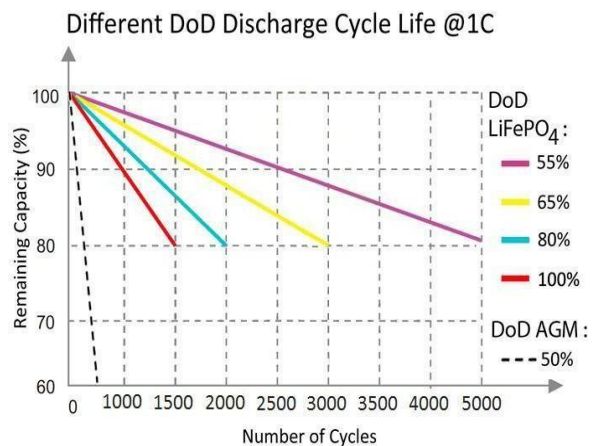
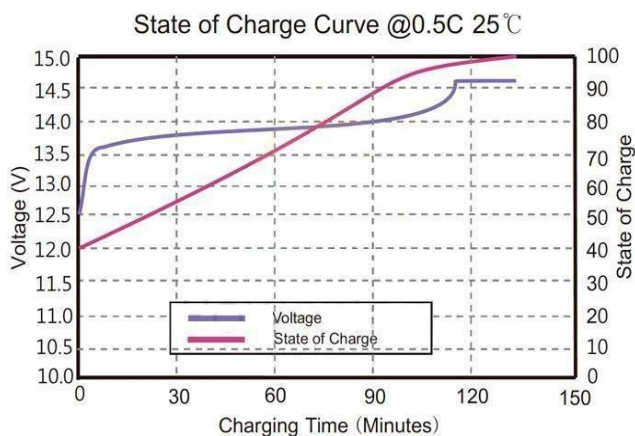
OVER CHARGING, OVER DISCHARGING, SHORT CIRCUIT

● LIGHT WEIGHT: Dry power lithium batteries has higher energy density, wh/kg also being up to 1/3 of SLA battery

● WIDE OPERATING TEMPERATURE RANGE: Suitable for users in a wider range of application where ambient temperature is unusually high: up to +60° C

● STEADY OUTPUT VOLTAGE, VIBRATION & SHOCK RESISTANT, NO MEMORY EFFECT, PRESSURE RESISTANT CELLS

PERFORMANCE CHARACTERISTIC



SUITABLE APPLICATIONS

- Lithium Iron Phosphate can be used in any application that would normally use Lead Acid, GEL, or AGM type batteries.
- LiFePO4 in 4S=12.8V and 8S=25.6V is closed to Lead Acid equivalents of the Lithium rechargeable types
- Suitable applications included caravan, marine, golf carts, solar storage, remote monitoring, switching applications

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 LiFePO4 charger
- Store at 50% capacity, recharge every 3 months. The storage area should be clean, cool, dry and ventilated.