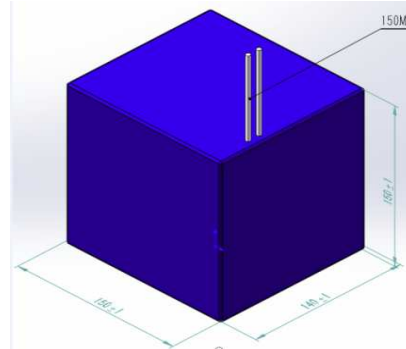


LiFePO4 - 48V 10h

JB-LFP48-10C

Dimension (with case)

Length	150mm
Width	140mm
Height	150mm
Weight	5kg



Electrical Specification

Nominal voltage	48V (51,2V)
Nominal capacity	10Ah
Energy	512Wh
Resistance	≤ 150mΩ
Self discharge	<3% / month
Efficiency	99%

Mechanical Specifications

Terminal type	cable
Case material	PVC
cell configuration	16S2P
Cell type	cylindrical

Charge Specifications

Recommend charge current	1-2A
Max. charge current	5A
BMS charge voltage cut-off	58,4V
Reconnect voltage	56,8-58,4V
charge current (-20 to -10°C)	≤ 0,05C

Discharge Specifications

max. cont. discharge	5A
peak discharge current	10A
recommend discharge	1-2A
recommend cut-off voltage	40V
BMS discharge cut-off	36,8V
short circuit protection	200-600 μs

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

Connection information

max. modules in series	1
max. modules parallel	4

Other customise service

Smart function: RS485/RS232/Canbus
or Bluetooth

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

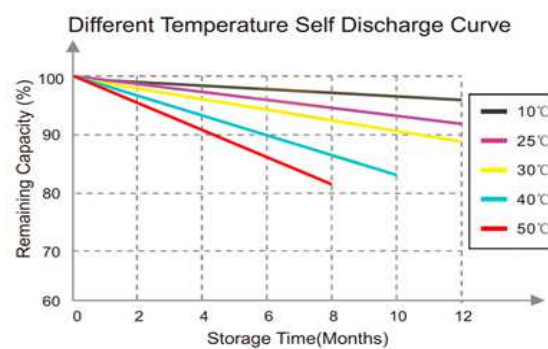
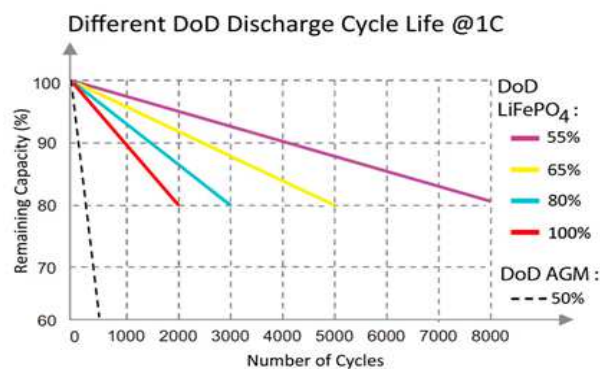
Suitable applications

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

Just Battery Technology UG (hb) - Siemensstr. 45 - 48619 Heek - Germany

Phone: +49 2568 9338884 - info@jubatec.eu - <https://www.jubatec.eu>