

MKS-LB12100(12.8V100Ah)

MKS Provides Safe and Efficient LFP Battery Solutions

MKS series adopt best value LiFePO₄ cells, with the BMS system independently designed by Marxon. IP65 protection, support series and parallel use, is an ideal choice for outdoor, small energy storage, marine and other fields.

Features

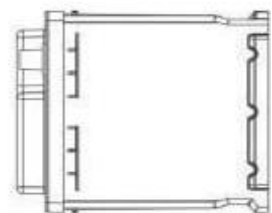
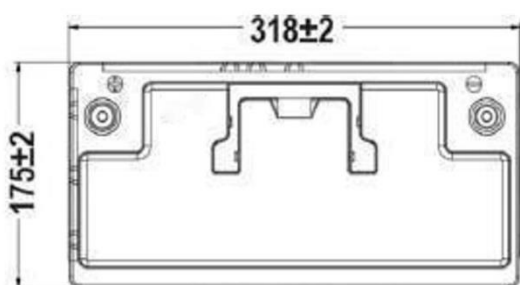
- Safest Lithium Battery Technology
- Lighter Weight
- Eco-friendly
- Longer Life
- Multiple Safety Protection
- Intelligent Balancing Function



Performance

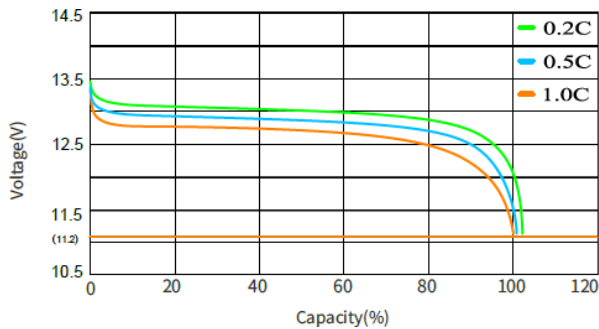
Cell	Prismatic LFP	Capacity	100Ah@0.5C25°C
Rated Charge Current	50A	Min Capacity	≥96%*100Ah@0.5C25°C
Rated Discharge Current	50A	Nominal Voltage	12.8V
Terminal	M8	Energy	1280Wh
Max. Charge Current	100A	Weight	11.2kg
Max .Dicharge Current	100A	Dimensions	318x175x189mm
Pulse Current	300A/5S	System Series	≤4
IP Grade	IP65	Storage Temp	-5°C to 35°C
Rated Charge Cut-off Voltage	14.6V	Discharge Temp	-20°C to 60°C
Rated Discharge Cut-off Voltage	11.2V	Charge Temp	0°C to 45°C
Bluetooth	YES	Self Discharge	≤2%/Month
Internal resistance	<20mΩ	Cycle Life	5000times(80%DOD)
Certified model	LFP12.8V100AH	Short Circuit Current	Approx.800A

Size(Unit mm)

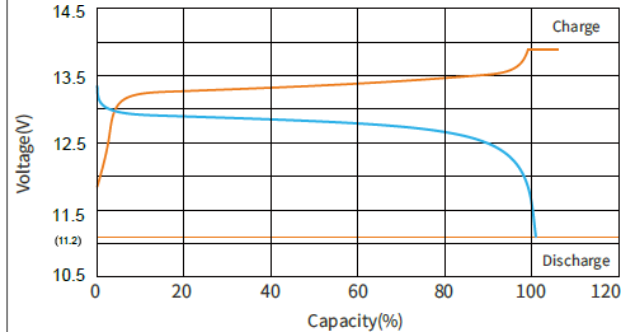


Characteristics Curve

Discharge Performance at 25°C



Charge and Discharge at 25°C, 0.5C



Cautions

1. Do NOT short circuit, crush or disassemble.
2. Do NOT heat or incinerate.
3. Do NOT immerse in any liquid.
4. Store at 50% capacity. Recharge every 6 months. The storage area should be clean, cool, dry and ventilated.
5. Disconnect charging source prior to connecting or disconnecting battery terminals.
6. Do NOT dispose of batteries in a fire as they can explode.
7. Do NOT open, alter, or mutilate batteries. Released electrolyte is harmful to skin and eyes. It may be toxic.
8. Do NOT mix different types and brands of lithium-ion batteries.
9. Do NOT dispose in trash, follow local regulations and manufacturer's instruction.
10. See installation instructions before connecting to the supply.
11. The battery cabinet receives power from more than one source. Disconnection of all DC sources is required to De-energize this unit before installing or servicing. Wait 5 minutes before opening the unit.
12. Do NOT install on or over combustible surfaces.
13. Refer to manual before servicing.
14. Do NOT touch bare terminals.