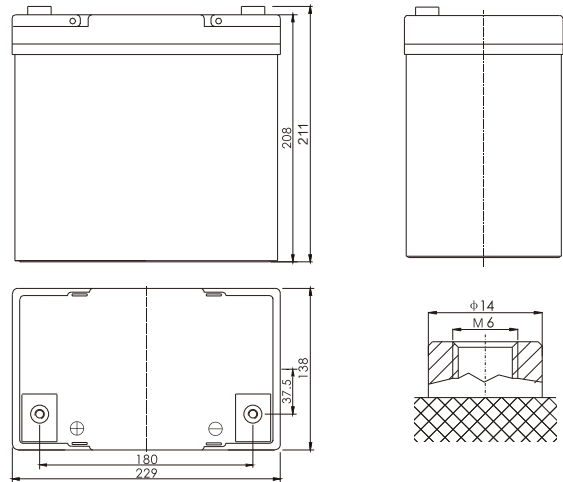


LFP 12.8-50



Lithium LiFePO₄ battery pack



Benefits of Lithium

- High-energy density
- Fast charge
- Built-in intelligent BMS to protect battery
- Longer service life
- Maintenance free

Specifications

Nominal Characteristic

Battery Model	LFP 12.8-50
Nominal Voltage	12.8V
Nominal Capacity	50Ah(25°C,0.2C)
Nominal Energy	640Wh
Cells Type-Chemistry	Prismatic-LiFePO ₄
Gravimetric Energy Density	91Wh/Kg
Dimension	Length 229mm
	Width 138mm
	Height 208mm
Reference Weight	7Kg
Case Material	ABS
Cycle Life	>3000 cycles(100% DOD)
Option	With Bluetooth

Certifications and standards

a.Products

- UL1642(cells)
- FCC
- UN38.3
- IEC62619

b.MS certifications

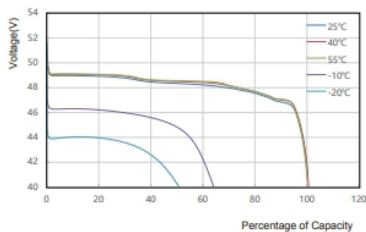
- ISO9001
- ISO14001
- OHSAS 18001

Electric Characteristics

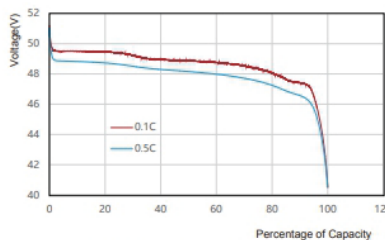
Charge Method	CC/CV
Charge Voltage Range	14.3~14.6V
Max.Continuous Discharge Current	50A
Max.Continuous Charge Current	50A
Discharge Pulse Current (10 sec)	100A
End of Discharge Voltage	10V

Operation Environment

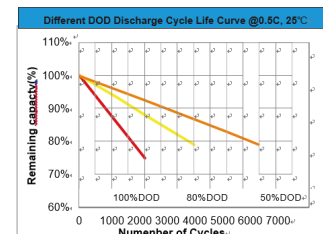
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	-20°C~60°C
Protection Class	IP65



Discharge Curve at Different Temperature



Discharge Curve at Different Rate (25°C)



Shenzhen Kstar Science & Technology Co.,Ltd

Address:4/F,No.1 BLDG.Software Park,Keji C.Rd.2nd,
2Hi-Tech industrial Zone,Shenzhen 518057,P.r.China

https://www.kstar.com

After sales: 400-700-9662

