

Lithium Iron Phosphate Battery

LFELi-48100 (51.2V100Ah)

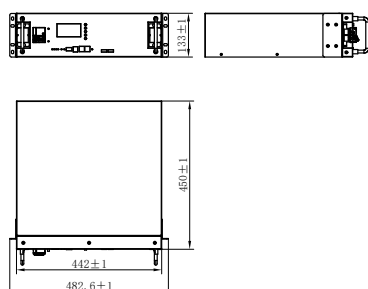


Features Of LiFePO4 Battery

- Safe Lithium Iron Phosphate Technology
- Safe to use Low self-discharge rate
- Excellent high temperature performance
- High cycle times and long life
- High energy density and conversion efficiency
- Environmentally friendly without any heavy metals
- High-performance BMS battery management system
- Easy to install into 19-inch cabinet or rack



Physical Dimension-mm



Typical Applications

- Access Network Equipment
- Remote Switching Offices
- Mobile Communication Equipment
- Transmission Equipment
- Satellite Ground Stations
- Microwave Communication Equipment
- Communication field as backup power supply

Item	Parameters
Model	LFELi-48100
Rated Capacity (5HR)	100 Ah
Nominal Voltage	51.2V
Lower Discharge Voltage Limit	40V
Upper Charge Voltage Limit	58.4V
Max. Charging/Discharge Current	20A/100A
Weight	Approx. 43KG
Energy	5120Wh
Display	With LCD display
Max. number of parallel connection	64
Dimensions (W*D*H) mm	442*450*132
Design Life	More than 20 years
Cycle Life	More than 6000 cycles at 80% DOD@25°C
IP Class	IP30
Case Material	SPCC
Operating Temperature	Charging: 0 to +55°C, Discharging: -20 to +55°C, Storage: -20 to +60°C

Constant Current Discharge Table (Amperes) at 25°C

Voltage \ Time	1 h	2 h	3 h	4 h	5 h
End of discharge voltage 42V	100A	50A	33.3A	25A	20A

Constant Power Discharge Table (Watts) at 25°C

Voltage \ Time	1 h	2 h	3 h	4 h	5 h
End of discharge voltage 42V	5120W	2560 W	1700W	1280W	1024W