

Lithium Iron Phosphate Battery

LFELI-48100(48V100Ah)



Features Of LiFePO₄ Battery

- Safe Lithium Iron Phosphate Technology
- Environmentally friendly without any heavy metals
- Safe to use low self-discharge rate
- High cycle times and long life
- High energy density and conversion efficiency
- High-performance BMS battery management system
- Easy to install, 19-inch cabinet or wall-mounted installation

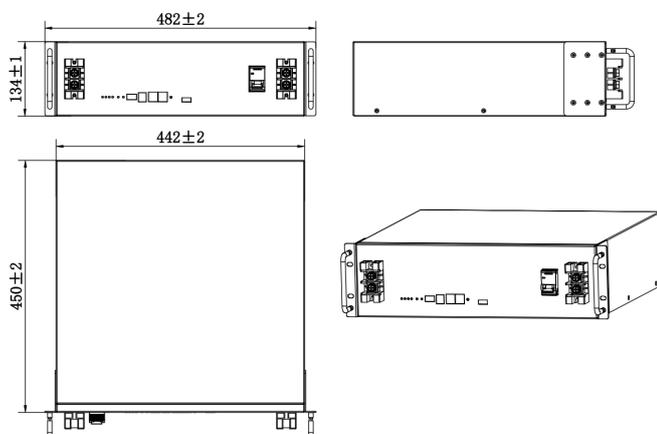
Application Scenarios

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

Discharge Data

Time(h)	1	2	3	5	10
Constant Current(A)	98	49	33	20	10
Constant Power(Watts)	4704	2352	1600	960	480

Physical Dimension-mm



Specification

Model	LFELI-48100	
Nominal Voltage	48V	
Rated Capacity(@25°C,0.2C)	100Ah	
Energy(@25°C,0.2C)	4800Wh	
Dimensions(W*D*H)mm	442*450*133	
Weight	Approx.40.5Kg	
Case Material	SPCC	
Terminal	M8	
LCD Screen	No	
IP Rating	IP30	
Design Life	≥15 years	
Cycle Life	6000 cycles	
Temp. Range	Charge	0~55°C
	Discharge	-20~60°C
	Storage	-20~60°C
Recom. Temp. Range	Charge	15~35°C
	Discharge	15~35°C
	Storage	-10~35°C
Recom.average charging/float charging voltage	54V/51.75V	
Max. Charging/Discharge Current	100A	
Discharge Ending Voltage	43.2V	
Max.number of parallel connection	16	
Communication	Parallel dual RS485/ Dry contact*2/RS232	
Internal resistance	≤30mΩ	