

Lithium Iron Phosphate Battery

DS-48100(4V100Ah)



Features Of LiFePO₄ Battery

- Safe and stable LiFePO₄ technology
- Environmentally friendly, free from heavy metals
- 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



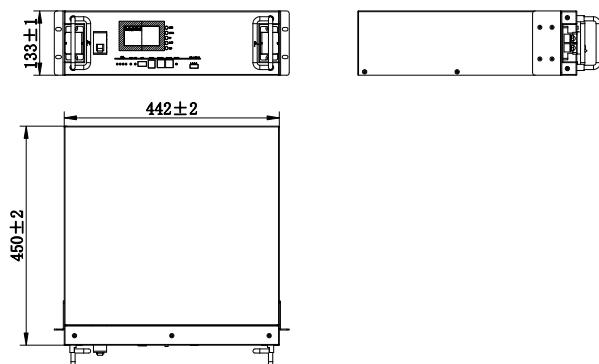
Application Scenarios

- 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)	100	50	33.3	20	10
Constant Power(Watts)	4800	2400	1600	960	480

Physical Dimension-mm



Specification

Model	DS -48100
Nominal Voltage	48V
Rated Capacity(@25°C,0.2C)	100Ah
Energy(@25°C,0.2C)	4800Wh
Dimensions(W*D*H)	442*450*133mm
Weight	Approx.40.5Kg
Case Material	SPCC
Terminal Type	M6
LCD Screen	Yes
Ingress Protection	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
Max charging/ Recommended charging voltage	54V/52.8V
Max. Charging/ Discharge Current	100A
Discharge Ending Voltage	40.5V
Max.number of parallel connection	15
Communication Interface	Parallel dual RS485, RS232/Dry contact*2