

Lithium Iron Phosphate Battery

DS-48100ZN(48V100Ah)

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
- Support constant voltage discharge output
- Support the parallel mixed use of lead-acid batteries/ old and new batteries to extend the life of old batteries

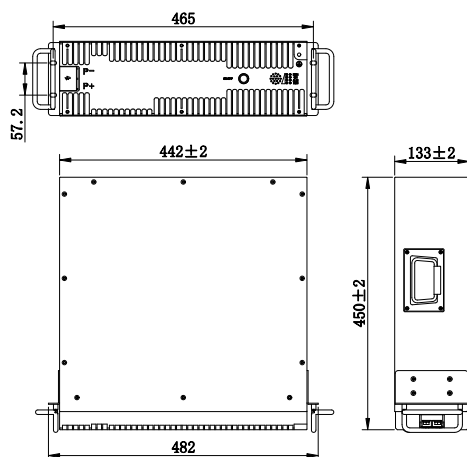
Application Scenarios

- 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-48100ZN	
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 (Aluminum Alloy panel)	
Terminal Type	M6	
LCD Screen	No	
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, CAN/Dry contact*2	