

# Lithium Iron Phosphate Battery

DS-48100ZN(48V100Ah)

## Features Of LiFePO<sub>4</sub> Battery

- Safe and stable LiFePO<sub>4</sub> 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



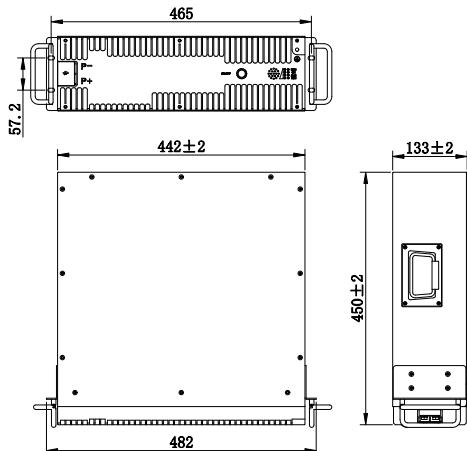
## Application Scenarios

- 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
Charge	0~55°C
Temp. Range	Discharge -20~60°C Storage -20~60°C
	Charge 15~35°C
Recom. Temp. Range	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