

SMI-48100A1F11

Introduction

Sunwoda SMI 48V series LiFePO4 batteries with its integrated design and standard cabinet installation, provides stable and reliable power output for communication base station power, energy storage, and off-grid systems. In addition, the product can be used in parallel to match more powerful products or extend the backup time.



Features

- Larger power density
- 3U height design
- Integrated BMS to protect the battery system and increase the battery life
- Gyro anti-theft and communication anti-theft
- SNMP communication port

Data Sheet

Item	Specification
Nominal Voltage	48V
Nominal Capacity	100Ah @0.5C, 25°C
Max. Charging Current	100A (1C)
Max. Charging Voltage	55V
Nominal Discharging Current	50A (0.5C)
Max. Discharging Current	100A (1C)
End Discharging Voltage	40.5V
Operating Temperature	Charge: 0-55°C; Discharge: -20-60°C
Storage Temperature	-20~45°C (in 1 month); 15~35°C (in 6 months)
Relative Humidity	5%-95%
Self-discharge	≤3% per month@25°C
Design Life	≥10 years
Communication	RS485, RS232, SNMP
Cycle Life	5000 cycle@0.5C 25°C 80%DOD
Dimension (W*D*H)	442mm*413mm*130mm excluding mounting ears
Weight	40kg

Charge and discharge curve

