

# Lithium Iron Phosphate Battery

## LFELI-4850 (48V50Ah)

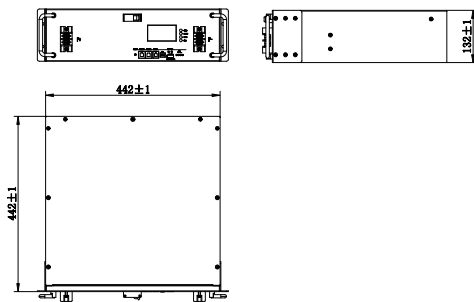


### Features Of LiFePO4 Battery

- 20-year design life
- Extreme cycle life - up to 3500 cycles at 100% DOD
- Extreme temperature range: -4°F~140°F ( -20°C~60°C )
- Advanced Battery Management System (BMS) - System monitoring of voltage, current and temperature
- Built-in overcharge, overdischarge and overheat protection
- Advanced BMS communication protocols - Modbus, RS232 and RS485 (SNMP optional)
- Anti-theft tracking systems available - GPS and Gyroscope
- Flexibility in configuration - Supports parallel connection up to 40 modules
- Flame retardant system to UL94V-0 & >28% LOI
- Easy installation - 19"/23" standard cabinet or wall-mounted



### Physical Dimension-mm



### Typical Applications

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

Item	Parameters
Model	LFELI-4850
Rated Capacity (5HR)	50 Ah
Nominal Voltage	48V
Discharge Ending Voltage	40.5V
Charging Limited Voltage	54V
Max. Charging/Discharge Current	50A
Weight	Approx. 27KG
Energy	2400Wh
Display	With LCD display
Max. number of parallel connection	40
Dimensions (W*D*H) mm	442*442*132
Design Life	20 years
Cycle Life	6000 cycles
IP Class	IP30
Case Material	SPCC
Operating Temperature	Charging: 0 to +45°C, Discharging: -10 to +55°C, Storage: -20 to +60°C
Terminal	M6

### Constant Current Discharge Table (Amperes) at 25°C

Voltage \ Time	1 h	2 h	3 h	5 h	10 h
End of discharge voltage 40.5V	50A	25A	16.6A	10A	5A

### Constant Power Discharge Table (Watts) at 25°C

Voltage \ Time	1 h	2 h	3 h	5 h	10 h
End of discharge voltage 40.5V	2400W	1200W	800W	480W	240W