

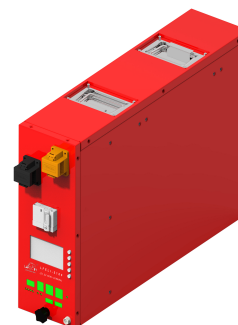
Lithium Iron Phosphate Battery

LFELI-5180 (51.2V80Ah)

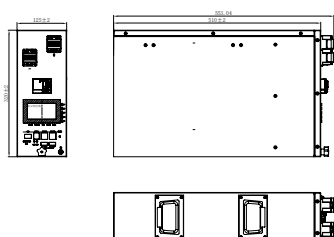


Features Of LiFePO4 Battery

- Safe Lithium Iron Phosphate Technology
- Safe to use Low self-discharge rate
- Excellent high temperature performance
- High cycle times and long life
- High energy density and conversion efficiency
- Environmentally friendly without any heavy metals
- High-performance BMS battery management system



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-5180 |
| Rated Capacity (5HR) | 80 Ah |
| Nominal Voltage | 51.2V |
| Lower Discharge Voltage Limit | 40.0V |
| Upper Charge Voltage limit | 58.4V |
| Max. Charging/Discharge Current | 80A |
| Weight | Approx. 35KG |
| Energy | 4096Wh |
| Display | With LCD display |
| Max. Modbus Grouping | 64 |
| Dimensions (W*D*H) mm | 125*510*320 |
| 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 |

Constant Current Discharge Table (Amperes) at 25°C

| Voltage \ Time | 1 h | 2 h | 3 h | 5 h | 10 h |
|------------------------------|-----|-----|-------|-----|------|
| End of discharge voltage 42V | 80A | 40A | 26.7A | 16A | 8A |

Constant Power Discharge Table (Watts) at 25°C

| Voltage \ Time | 1 h | 2 h | 3 h | 5 h | 10 h |
|------------------------------|-------|-------|---------|--------|--------|
| End of discharge voltage 42V | 4096W | 2048W | 1365.4W | 819.2W | 409.6W |