

LBT Series LiFePo Battery 48 Vdc 100 Ah



LBT Series maintenance free rack mounted Lithium-ion rechargeable batteries are ideal for Telecom applications.

State-of-the-art automated manufacturing ensures consistency and reliability.

Lifetime of up to 15 years, or 6,000 cycles 80% SoC.

FEATURES

Battery Management System (BMS)

- State of charge and health management
- PC management and monitoring software
- RS232 and RS485 communication
- Data storage
- Alarms

Operation at Extreme Temperatures

- Charging 0°C to +50°C
- Discharging 0°C to +60°C

Easy Handling

- Rack mount - 19 inch
- Height - 5U
- Parallel up to 15 batteries

Options

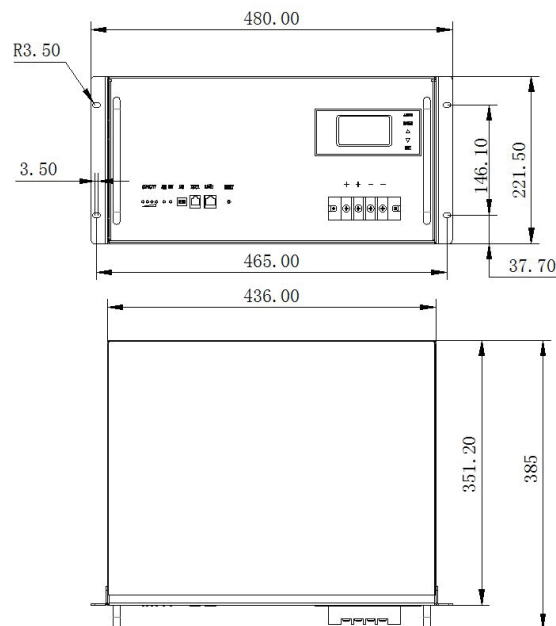
- LCD display

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SPECIFICATIONS

LBT 48100

Nominal voltage	51.2 Vdc
Nominal capacity	100 Ah / 5.12 kWh (0.2 C, to 43.2 V, at 25° C)
Charging cut-off voltage	58.4 Vdc
Discharging cut-off voltage	40 Vdc
Standard charging current	20 A
Max charging	50 A
Standard discharging current	20 A
Max discharging current	50 A
BMS power consumption	< 1.5 W
H x W x D mm	221.5 x 480 x 385
Weight kG	48
Discharging temperature	0° to +60° C
Charging temperature	0° to +50° C
Storage temperature	15° to 25° C
Humidity	< 80 %
Environment	IP 30
Protection	Over-current, over-voltage, under-voltage, over-temperature, short-circuit
Parallel	up to 15
Communications	RS232, RS485
Monitoring	PC Software (RS 485 or Modbus)
Standards	IEC 62619, IEC 21A/556CD, RoHS, UN/DOT 38.3, EN 61000-6-1, EN 61000-6-3, EN 55032, EN55024



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