

48V 100Ah Rack-Mounted LiFePO4 Battery Module

Model: LU-RM48100

Overview

Standard 48V 100Ah rack-mounted LiFePO4 battery module. 19-inch rack compatible, up to 16 units parallel. Ideal for telecom, data center, and C&I energy storage. CE, UN38.3 certified.

Technical Specifications

Parameter	Value
Nominal Voltage	48V
Rated Capacity	100Ah
Rated Energy	4.8kWh
Chemistry	LiFePO4
Form Factor	19-inch Rack Mount, 3U
Cycle Life	≥6000 cycles
Parallel Support	Up to 16 modules
Communication	CAN / RS485 / RS232
Display	LED indicators

Key Features

- 48V 100Ah, 4.8kWh per module
- Standard 19-inch rack mount (3U)
- Parallel up to 16 modules (76.8kWh)
- Smart BMS with cell balancing
- CAN/RS485/RS232 communication
- Hot-swappable design
- 6000+ cycles at 80% DoD
- Plug-and-play installation

Applications

Telecom base station backup • Data center UPS • Commercial & industrial storage • Microgrid and renewable integration

Certifications

CE Certified, UN38.3 Certified, RoHS Certified