



Rack Mode Storage Battery

ZC-L48100



Expandable
2-15 units can be expanded



Safer to Use
High-density LiFePO4 battery



Long Battery Life
6000 cycles life (DoD 80%)



Plug and play
For easier installation



Stable & Reliable
Advanced BMS management



Widely Compatible
Compatible with mainstream inverters

WHY CHOOSE US?

- ✓ Provide professional customized solutions.
- ✓ Belonging to the Fortune 500 Group.
- ✓ Localized and timely after-sales service plan.

WHO ARE WE ?

Knyee Energy belongs to the CHILWEE Group, one of the largest battery companies in China. We are a high-tech enterprise focusing on the production of energy storage batteries, mainly for research and development, production, sales of residential energy storage microgrid and commercial energy storage products, also providing total solutions.

CHILWEE Group has 32 industrial bases and more than 100 companies at home and abroad, which are located in Zhejiang, Jiangsu, Anhui, Jiangxi, Henan, Shandong, Hebei, Guangxi, Hunan, as well as Germany, France, etc.



Group Honors

C H I L W E E

🏆 Top 500_2023 Global New Energy Enterprises

🏆 Top 500_Manufacturers in China

🏆 Top 10_New Energy Battery Industry in China

🏆 Top 500_Private enterprises in China

🏆 China Patent Gold Award

🏆 China Grand Awards for Industry

Model**ZC-L 48100**

Basic Information

Nominal Voltage	48V DC
Voltage Range	40.5V-54.75V
Nominal Capacity	100Ah
Rated Capacity	4.8kWh
Communication Protocol	CAN / RS485 / RS232
Max. Number of Parallel Connections	15
Cycle Life	6000 cycles (@80% DoD)
Protection Mechanism	Temperature Protection/Over-current Protection/Short-circuit Protection Over-charge Protection/Over-discharge Protection/Low-voltage Protection

Charging Parameters

Recommended Charging Current	50A
Max. Charging Current	100A
Recommended Charging Voltage	54V
Max. Charging Voltage	54.75V

Discharging Parameters

Recommended Discharging Current	50A
Max. Discharging Current	100A
Recommended Battery Discharge Cut-off Voltage	41.25V
Battery Cut-off Voltage	40.5V
Battery Recovery Voltage	45V

General Parameters

Dimension	500*484*178mm
Gross/Net Weight	44kg/41.5kg
Shell Material	Sheet Metal
Protection Rating	IP20
Installation Method	Rack Mode
Cell Type	LiFePO4

Certification & Safety Standard

Safety Certification	CE
Temperature Safety Certification	UN38.3,Class9

Temperature Parameters

Discharging Temperature	-20~65°C
Charging Temperature	0~55°C
Storage Temperature	-20~45°C