

**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