



Rechargeable LFP Battery

Low Voltage

ZC-L48100



Expandable

2-15 units can be expanded



Safer to Use

High-density LiFePO4 battery



Long Battery Life

6600 cycles life (DoD 80%)



Plug and play

For easier installation



Stable & Reliable

Advanced BMS management



Widely Compatible

Compatible with mainstream inverters



Excellent Performance

Use Gotion battery cell



Strong Compatibility

Support multiple inverter communication protocols

ZC-L 48100

BASIC INFORMATION		
Nominal Voltage	[V]	48
Voltage Range	[V]	40.5-54.75
Nominal Capacity	[Ah]	100
Rated Capacity	[kWh]	4.8
Communication Protocol		CAN / RS485 / RS232
Max. Number of Parallel Connections		15
Cycle Life		6600 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	[A]	50
Max. Charging Current	[A]	100
Recommended Charging Voltage	[V]	54
Max. Charging Voltage	[V]	54.75
DISCHARGING PARAMETERS		
Recommended Discharging Current	[A]	50
Max. Discharging Current	[A]	100
Recommended Battery Discharge Cut-off Voltage	[V]	41.25
Battery Cut-off Voltage	[V]	40.5
Battery Recovery Voltage	[V]	45
GENERAL PARAMETERS		
Dimension	[mm]	500*484*178
Weight	[kg]	48
Shell Material		Sheet Metal
Ingress Protection		IP20
Installation Method		Rack Mode
Cell Type		LiFePO4
CERTIFICATION & SAFETY STANDARD		
Safety Certification		CE
Temperature Safety Certification		UN38.3,Class9
TEMPERATURE PARAMETERS		
Discharging Temperature	[°C]	-20~65
Charging Temperature	[°C]	0~55
Storage Temperature	[°C]	-20~45

