

Residential Lithium Battery

ELV-R 48V100Ah-200Ah

ELV-R Series Batteries provide superior performance, capacities and reliability. Using state of high power cell technology the Lithium Series is designed for environmentally sensitive areas that require enhanced cycle life capabilities in commercial, industrial, residential and private applications. The maintenance free construction and advanced design features makes the Lithium Series the definitive choice for a wide variety of markets: Telecom, UPS systems, Solar and Renewable Energy Storage, Electric Vehicles, Marine etc



Flexible

- Suitable for 19" rack design, 3U height
- Supports parallel configuration for more energy
- Optional: MCB-125A, Heater-100W, Anti-theft module

Smart

- SOC, SOH display and PC software for detailed operation
- RS485,CAN communication port

Reliable

- Long life type prismatic LiFePO4 cells, suitable for energy storage application
- Cell certification: UN38.3, ROHS, IEC62619, UI1973 and UL9540A

Technical Specifications

Model	ELV-R 48100	ELV-R 48150	ELV-R 48200
Battery Type	LFP		
Nominal Voltage (V)	48		
Nominal Capacity (Ah)	100	150	200
Total Energy (Wh)	4800	7200	9600
Dimensions (WxDxH) (mm)	442x400x130.5		442x450x178
Weight (Kg)	40	58	
Max. Charging Current [A]	100		
Max. Discharging Current [A]	100		
Pulse Discharge Current	150A @2S	150A @5S	150A @2S
Charging Voltage [V]	52.5~54.0		
End of Discharge Voltage [V]	42.0 (Backup Application) / 45 (Cycle Application)		
Operation Humidity	0~95% RH (No condensing)		
Operating Temperature Range	Standard Product: Charge: 0~+55°C; Discharge: -20~+55°C With Optional Heater: Charge / Discharge: -40~+55°C		
Cycle Life	>4000		
Designed Calendar Life	15 Years		
Communication interface	RS485, CAN		
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit		
Parallel Support	Yes, Max. 15 Sets		
Series Support	Not support		
Certification	CE, UN38.3		

Highlights



FLEXIBLE



INTELLIGENT



SAFE AND RELIABLE