



PRODUCT OVERVIEW

The EC-VC Series rack/cabinet mounted lithium energy storage battery uses high cycle lithium iron phosphate cells, high-performance BMS protection and battery management system. Can be combined into up to 15 battery modules in parallel. The capacity can be freely combined to meet various household or industrial needs.

FEATURES

- Safe, reliable and long life
- Dynamic identification, automatic paralleling, no need for DIP switches.
- Supports Bluetooth, mobile APP switching, PCS protocol.
- CAN/RS485/LAN interface.
- Visualization, LCD screen display.
- Flexible expansion supports up to 15 machines in parallel.
- Supports mixed parallel connection between old and new batteries.
- Remote intelligent upgrade maintenance.

APPLICATIONS

- Emergency power supply.
- Home backup storage.
- Data storage/UPS backup systems.
- Off-grid power storage.
- Solar power storage.

Product Description

PART#	DESCRIPTION	VOLTAGE	CAPACITY	OUTPUT	CHARGING CURRENT
EV-VC48100R	100Ah 51.2V LiFePO4 Battery	51.22V	5.12kWh	100Ah	100A
EV-VC48200R	200Ah 51.2V LiFePO4 Battery	51.22V	10.24kWh	200Ah	100A

Specifications

MODEL#	EV-VC48100R	EV-VC48200R
ELECTRICAL		
Voltage	43.2V~58.4V	
Cell	3.2V100Ah	3.2V200Ah
Module	16S1P	
Number of Parallel Machines	15	
Nominal Voltage	51.2V	
Nominal Capacity	100Ah	200Ah
Nominal Energy	5.12kWh	10.24kWh
Maximum Power Output	5.12kW	
Maximum Discharge Current	100A	
Maximum Charging Current	100A	
Cutoff Voltage	40V	
Maximum Charge Voltage	58.4V	
Cycles (25°C)	≥6000	
GENERAL		
Charging Temperature	0°C~55°C	
Discharge Temperature	-20°C~55°C	
Operating Humidity	<95% R.H.	
Communication Mode	CAN/RS485	
Dry Contact	Customized by demand	
Optional Modules	Bluetooth, 4G module	
Product Size W*D*H (mm)	430*442*177	550*442*222
Packing Size W*D*H (mm)	535*527*290	637*497*315
Protection Class	IP21	
System Weight	48kg	86kg
Certification	IEC62619/UN38.3/MSDS	