

PRODUCT OVERVIEW

The EV-VC BESS Series is a modular commercial energy storage solution.

- Low CAPEX
- Plug and play simplicity
- Low field labor costs
- Prepopulated with batteries
- Flexible deployment according to site layout.

FEATURES

- Water-based suppression system (optional)
- System controller.
- Intrusion detection system.
- Rack level lockable switch.
- Short circuit protection.
- Fire detection and suppression system.

APPLICATIONS

- Emergency power supply.
- Commercial backup storage.
- Utility backup storage.
- Data storage/UPS backup storage.
- Off-grid power storage.
- Solar power storage.



Product Description

PART#	DESCRIPTION	POWER	NAMEPLATE CAPACITY	BATTERY CAPACITY
EV-VC85KW	85kW Utility Scale BESS	85kW	340.48kWh	280Ah
EV-VC170KW	170kW Utility Scale BESS	170kW	340.48kWh	280Ah

Specifications

MODEL#	EV-VC85KW	EV-VC170KW
SYSTEM INFORMATION		
Nameplate Capacity	340.48kWh	
Nominal Power	85kW	170kW
BATTERY INFORMATION		
Battery Chemistry	LFP	
Capacity	280Ah	
Configuration	380S1P	
Nominal Voltage	1216V	
Voltage Range	1064V~1368V	
WORKING CONDITIONS		
Degree of Protection	NEMA 3R / IP55	
Noise Emission	<70dB@1m	
Operating Temperature Range	-30°C ~ 50°C	
Relative Humidity	0~95%RH (No condensing)	
Max Working Altitude	9800ft / 3000m	
GENERAL INFORMATION		
Dimensions W*H*D (mm)	1585*2500*1675	
Weight	3990kg	
Cooling Method	HVAC	
Fire Suppression System	Aerosol	
Certification	IEC62619, UL1973, UL9540A	