



PRODUCT OVERVIEW

The EV-VC HV Series is a turnkey commercial energy storage solution. Includes PCS and batteries. Plug and play design with flexible deployment according to site layout.

FEATURES

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

APPLICATIONS

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

Product Description

PART#	DESCRIPTION	VOLTAGE	CAPACITY	CONFIGURATION	GRID VOLTAGE
EV-VC573U250HV	573kWh High Voltage ESS	1024V	573.44kWh	320S2P	480V
EV-VC860U250HV	860kWh High Voltage ESS	1024V	860.16kWh	320S3P	480V
EV-VC1147U250HV	1147kWh High Voltage ESS	1024V	1146.88kWh	320S4P	480V

Specifications

MODEL#	EV-VC573U250HV	EV-VC860U250HV	EV-VC1147U250HV
SYSTEM INFORMATION			
Nominal AC Power	250kW		
Nameplate Capacity	573.44kWh	860.16kWh	1146.88kWh
BATTERY INFORMATION			
Battery Chemistry	LFP		
Capacity	280Ah		
Configuration	320S2P	320S3P	320S4P
Nominal Voltage	1024V		
Voltage Range	896~1152V		
INVERTER INFORMATION			
Max AC Power	250kW		
Nominal Grid/Islanding Voltage	480V		
Grid Voltage Range	422.4~528V		
Power Factor	-1 to 1, continuously adjustable		
Nomina Grid Frequency	60Hz		
Isolation	Transformerless		
WORKING CONDITIONS			
Degree of Protection	NEMA 3R/IP54		
Noise Emission	<72dB@1m		
Operating Temperature Range	-22°F ~ 113°F / -30°C ~ 45°C		
Relative Humidity	0`95% (No condensing)		
Max Working Altitude	6500ft / 2000m		
GENERAL INFORMATION			
Dimensions – WxHxD (cm)	5490x2500x1613	7105x2500x1613	8720x2500x1613
Weight	9460kg	13460kg	17460kg
Battery Cabinet Cooling Method	HVAC		
PCS Cabinet Cooling Method	Forced air cooling with replaceable fan module		
Fire Suppression System	Aerosol		
Communication Protocol	Modbus TC/IP		
Certification	UL1741, UL1741 SB, UL1741 CRD, IEEE 1547, UL1973, UL9540A, UL9540(pending)		