

PRODUCT OVERVIEW

Outdoor cabinet air cooling energy storage system for off-grid commercial and industrial applications.

FEATURES

- All-in-one battery and hybrid inverter
- Modular design, highly integrated.
- Standardized design, easy to expand and maintain.
- Supports parallel installation.
- Fast deployment and quick setup on-site.
- Reduces your carbon footprint.
- Tier-1 LFP batteries.
- Integrated battery management system and thermal management.
- Wide operating temperature range.
- Fire suppression system.
- IP54 for outdoor applications.
- C3 anti-corrosion.
- Saves capex.
- Low levelized cost of storage (LCOS).
- High energy density, space saving.

APPLICATIONS

- Commercial & industrial energy storage
- Telecom base station battery backup
- Data center battery backup
- Off-grid power
- Microgrid



Product Description

PART#	DESCRIPTION	ENERGY	RATED POWER	CAPACITY
EV- PQA-AA1220	Outdoor All-in-One ESS & Inverter Cabinet	20.48 KWh	12Kw	400Ah
EV-PQA-AA1240	Outdoor All-in-One ESS & Inverter Cabinet	40.96 KWh	12Kw	800Ah

Specifications

MODEL#	EV- PQA-AA1220	EV-PQA-AA1240
DC BATTERY		
Nominal Voltage	51.2V	51.2V
Rated Capacity	400Ah	800Ah
Energy	20.48KWh	40.96KWh
AC		
Rated Power	12KW	
Rated Voltage & Frequency	230V, 50/60Hz	
THD	<3%	
Power Factor	>0.99	
Adjustable Power Factor	-1 leading ~ 1 lagging	
GENERAL DATA		
Operating Temperature	– 25℃～ 60℃ (>45℃ derating)	
Relative Humidity	0 ~95% (non-condensing)	
IP Rating	IP54	
Altitude	5,000m (>3,000 derating)	
Cooling	Air cooling	
DISPLAY & COMMUNICATION		
Display	LCD screen	
Communication Protocol	Modbus	
Communication Interface	RS485 / RS232 / CAN / dry connect	