EQTCA215P30AC
EQTCA215P50AC
EQTCA215P100AC

215kWh

All-in-one BESS Cabinet

Compact & Efficient design

- The cabinet ESS boasts a compact design, minimizing its footprint while still offering substantial energy storage capacity (143kWh to 215kWh).
  This makes it ideal for applications where space is limited
- The efficient design integrates all critical components, including the battery system, PCS, and safety features, into a single, self-contained unit

Versatile Application & Grid Compatibility

- The cabinet ESS supports both on-grid and off-grid operation, offering flexibility for various applications and grid configurations
- The system is designed for easy connection to various energy sources, including wind turbines, diesel generators, and the grid, enhancing its versatility
- It can be seamlessly integrated with solar power systems, facilitating efficient renewable energy utilization and grid stabilization

Solid & reliable

- The cabinet ESS incorporates multiple safety features, including a robust fire-fighting system (FM200/Novec 1230), IP55 protection for the battery compartment, and IP34 protection for the electrical compartment
- The system is highly responsive, with a response time of less than 100ms, enabling it to effectively support grid auxiliary services
- It adheres to a 4-tier safety design principle, ensuring comprehensive protection against potential hazards

System Technical Specification

215kWh

All-in-one BESS Cabinet

Item	Specification			Remark
Product model	EQTCA215P30AC	EQTCA215P50AC	EQTCA215P100AC	
Configuration	20S1P			
Rated energy	143kWh ~ 215kWh	143kWh ~ 215kWh	215kWh	
Cycle life	6000			
Cell capacity	280Ah			
Rated output voltage	400V			
Rated input voltage	400V			±15%
Dimension	1900mm × 1330mm × 2100mm			W×D×H
Max Weight	~2500kg			
Rated power	30kW	50kW	100kW	
Operating ambient temp.	-20~50□			
IP level	IP55（Battery compartment) IP34 (Electrical compartment)			
Max output current	1442A	866A		
Harmonics	＜3%（@rated power）			
Overload capacity	110%, 10 mins; 120%, 60s			
Corrosion resistance	C3			
Environment humidity	0%～95%			
Operating altitude	＜2000m			
Noise emision	≤75dB			
Cooling and heating type	HVAC (Battery compartment) & forced air cooling (Electrical compartment)			
Communication protocol	Modbus RTU, Modbus TCP/IP			
Executive standard	IEC62619-2022, UN38.3			For cell
	IEC62477-2022, IEC62619-2022, IEC61000, G99. EN50549, VDE4105, AS4777. UN3480			For system