Air Cooling Energy Storage Cabinet

Features

SAFE AND RELIABLE

- Approved industry certification of Cell pass test by UL/TUV/IEC
- Multi-level design for fire control
- Built-in early warning detection system
- IP 54 rating for cabinet

EFFICIENT AND DURABLE

- Industry leading LFP cell technology up to 10,000 cycles with high thermal stability
- Modular battery and cooling equipment are designed for better temperature control

ENHANCED MONITORING CONTROL

- Integrated performance control for local and remote monitoring.
- Data logging for component level status monitoring.
- Realtime system operation analysis on terminal screen.

SMART AND SCALABLE

- Modular design supports ease of installation, expansion, and maintenance
- ESS self-diagnosis and healing function
- Supports remote maintenance and upgrades

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Battery Parameters	
Battery Cell Type	3.2V / 302Ah
Configuration	1P224S
Nominal Capacity	216kWh
Voltage Range	627.2 ~ 806.4V
BMS Communication Interface	Ethernet
BMS Communication Protocol	Modbus TCP
AC Parameters	
AC Nominal Power	100kVA
THD of Current	< 3%
DC Component	< 0.5%
AC Nominal Voltage	380V
Grid Voltage Range	400Vac, 3W+N+PE
Power Factor	> 0.99
Reactive Power Range	-105% to 105%
Operating Grid Frequency	50Hz / 60Hz
Grid Frequency Range	45-55Hz / 55-65Hz
Isolation Type	Non-Isolated
Basic Parameters	
Cabinet Dimension	1750x2250x1250mm
Cabinet Weight	3T
Enclosure IP Level	IP54
Operating Temperature	-30ºC to 50ºC
Relative Humidity	0 - 95% (non-condensing)
Max. Altitude (Above Sea Level)	2000m
Battery Cooling Mode	Air Cooling
PCS Cooling Mode	Air Cooling
Fire Suppression System	Aerosol
Communication Interface	RS485, Ethernet, CAN
Communication Protocol	Modbus TCP, Modbus RTU, CAN2.0
Certificates	IEC62619, IEC61000, IEC63056, UN38.3, MSDS, ROHS, IEC62477

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