





## 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
-  **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.
-  **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
-  **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	LFP 3.2V / 280Ah
Configuration	1P240S
Nominal Capacity	215kWh
Voltage Range	672 ~ 864V
BMS Communication Interface	Ethernet
BMS Communication Protocol	Modbus TCP
Battery Life Expectation	10 years warranty (80% battery capacity retention guarantee)
AC Parameters	
AC Nominal Power	100kVA
THD of Current	< 3%
DC Component	< 0.5%
AC Nominal Voltage	380V / 120V
Voltage Range	342 - 418V
Power Factor	> 0.99 (Nominal Power)
Reactive Power Range	-105% to 105%
Operating Grid Frequency	50Hz / 60Hz
Grid Frequency Range	45-55Hz /55-65Hz
Isolation Type	Non-Isolated
Transformer Parameters	
Nominal Power	100kVA
Basic Parameters	
Cabinet Dimension	1200x2200x1150mm
Cabinet Weight	1800kg
Enclosure IP Level	IP54
Operating Temperature	-30°C to 50°C
Relative Humidity	0 - 95% (non-condensing)
Max. Altitude (Above Sea Level)	5000m
Battery Cooling Mode	Forced Air Cooling
PCS Cooling Mode	Forced Air Cooling
Fire Suppression System	Aerosol, combustible gas detection and exhaust, fire sprinkler
Communication Interface	Ethernet
Communication Protocol	Modbus TCP
Certificates	UL 1973/ UL 9540A, IEC 61000-6-2 / 61000-6-3, FCC Part 15 Class A/CE/TUV

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