





Air Cooling Containerized Energy Storage



Features

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| <p> SAFE AND RELIABLE</p> <ul style="list-style-type: none">■ 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 enclosure | <p> EFFICIENT AND DURABLE</p> <ul style="list-style-type: none">■ 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 |
| <p> ENHANCED MONITORING CONTROL</p> <ul style="list-style-type: none">■ Integrated performance control for local and remote monitoring.■ Data logging for component level status monitoring.■ Realtime system operation analysis on terminal screen. | <p> SMART AND SCALABLE</p> <ul style="list-style-type: none">■ Modular design supports ease of installation, expansion, and maintenance■ ESS self-diagnosis and healing function■ Supports remote maintenance and upgrades |

TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Battery Parameters	
Battery Cell Type	3.2V / 302Ah
Configuration	5P208S
Nominal Capacity	1005KWh
Voltage Range	582.4 ~ 748.8V
BMS Communication Interface	Ethernet
BMS Communication Protocol	Modbus TCP
AC Parameters	
AC Nominal Power	500kVA
THD of Current	< 3%
DC Component	< 0.5%
AC Nominal Voltage	400Vac
Grid Voltage Range	400Vac (-20%~+15%)
Power Factor	> 0.99
Reactive Power Range	-105% to 105%
Operating Grid Frequency	50Hz
Grid Frequency Range	45-55Hz
Basic Parameters	
PCS Dimension	1600x2096x935mm
Container Dimension	6058x2591x2438mm
Container Weight	18T
Degree of Protection	IP54
Operating Temperature	-30°C to 50°C
Relative Humidity	0 - 95% (non-condensing)
Max. Altitude (Above Sea Level)	2000m
Cooling Mode	HVAC and Air Cooling
PCS Cooling Mode	Forced Air Cooling
Fire Suppression System	Aerosol, combustible gas detection & exhaust, water fire-fighting system (optional)
Communication Interface	RS485, Ethernet, CAN
Communication Protocol	Modbus TCP, Modbus RTU, CAN2.0
Certificates	IEC62619, IEC61000, IEC63056, UN38.3, MSDS, ROHS, UL1741, IEC62477

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