





## Air Cooling Containerized Energy Storage



### 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 enclosure
-  **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

TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Battery Parameters	
Battery Cell Type	LFP 3.2V / 280Ah
Configuration	1P224S*5
Nominal Capacity	1MWh
Voltage Range	627.2 ~ 806.4V
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	500kVA
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	Isolated
Transformer Parameters	
Nominal Power	500kVA
Voltage Ratio	400kV / 400V
Group	Dy11
Basic Parameters	
PCS Dimension	1600x2096x935mm
Container Dimension	6058x259x2438mm
Container Weight	20T
Degree of Protection	IP54
Operating Temperature	-30°C to 50°C
Relative Humidity	0 - 95% (non-condensing)
Max. Altitude (Above Sea Level)	5000m
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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