





Liquid 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
 - IP 67 rating for battery pack
-  **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
 - Liquid cooling capable for better efficiency and extended battery life cycle
 - Higher energy density, smaller cell temperature Difference.
-  **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	1P384S*10
Nominal Capacity	3.44MWh
Voltage Range	1075.2 ~ 1382.4V
BMS Communication Interface	Ethernet
BMS Communication Protocol	Modbus TCP
Battery Life Expectation	10 years warranty (80% battery capacity retention guarantee)
Basic Parameters	
Container Dimension	6058x259x2438mm
Container Weight	38T
Enclosure IP level	IP54
Battery Pack IP Level	IP67
Operating Temperature	-30°C to 50°C
Relative Humidity	0 - 95% (non-condensing)
Max. Altitude (Above Sea Level)	4000m, 100% capacity; 5000m decrease to 80% capacity
Cooling Mode	Liquid 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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