

Energy Storage Container

2.5MW / 5.02MWh

+35% Energy Density Than 280Ah / Multi-Level Fire Protection.
System Efficiency Exceeding 95%



Features



More Economical

- Large Module (Pack) Design
 - Space & Cost Saving
- Achieves a 35% increase in volumetric energy density compared to 280Ah products



Smarter

- AI-Powered Predictive Management
- Comprehensive Visual Monitoring



More Efficient

- Proprietary BMS Balancing Technology
 - High System Efficiency:
- Boasts a system efficiency exceeding 95%.



Enhanced Safety

- Multi-Level Fire Protection.
- Comprehensive Electrical Protection
- Complete Monitoring



Convenience

- User-Friendly Interface
 - Easy Deployment
- Lifting rings for easy handling and installation.



Adaptability

- Three-level topology, supporting bidirectional energy flow and a wide range of battery voltages.
- Top Efficiency: Achieves efficiency up to 99%.

PERFORMANCE SPECIFICATIONS

DC Side Parameters	
Model	5.02MWh
Cell model	3.2V 314Ah
Battery Configuration	12P416S
Nominal battery system voltage	1331.2V
Discharge / charge rate	0.5C
Fire protection system	PERFLUORO/Aerasol/Water fire control
Cooling method	Liquid Cooling
Cells differential temperature	≤5°C
Cycle Life	≥6000
Protection level	IP55
Dimension	6500×2600×2896mm
Weight	≤42T
AC Side Parameters	
Rated Output Power	2500kW
DC voltage range	915~1500V
Max. DC current	1505×2
AC voltage range	0.63/(6~37kV)
Max. AC current	50.4A@35kV
AC Frequency	45~55Hz
Output form	three-phase three-wir
Operating Temperature Range	-20~60°C
Transformer power	2500kVA
Transformer form	dry change
Protection Rate	IP54
Dimension	7600×3000×2896mm
Net Weight	≈45T

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