

CTE-S20-5015-A

5.015 MWh Liquid-cooled ESS



Safe and Reliable

- Adopting "3+2+2" fire system for comprehensive protection.
- Adopting high-quality battery cells from Hithium to ensure safety and efficiency.
- C4-grade corrosion resistance and Grade VIII earthquake resistance, ensuring robust performance in complex environments.
- Intelligent monitoring and early warning system with rapid fault diagnosis.



High Efficiency

- Refined thermal management with air-liquid integration, maintaining a temperature difference $\leq 3\text{ }^{\circ}\text{C}$ to extend lifespan.
- Long-life battery cells with over 10,000 cycles, delivering higher return on investment.
- Highly integrated design with high energy density
- String architecture for flexible configuration.
- Multi-scenario adaptability, supporting peak-valley price differential and ancillary services.



Convenient Operation and Maintenance

- Standard container design for convenient transportation, meeting domestic and international transport requirements.
- Modular design for easy installation and maintenance.



Smart and User-Friendly

- Local data collection with intelligent real-time monitoring and remote operation and maintenance.
- Grid-friendly with active support and rapid response capabilities.
- Intelligent energy dispatch and smart balancing strategies to enhance profitability.

Specifications

Model	CTE-S20-5015-A
Dimensions (width x depth x height)	6058×2438×2896mm
Weight	4500kg±100kg
Burst mode	12*(1P104S* 4)
Nominal voltage	DC:1331.2V
Nominal capacity	3140Ah@25°C±2°C,0.5P
Nominal energy	5.015MWh@25°C±2°C,0.5P
working voltage	DC:1040V~1518.4V
Rated charging/discharging power	2.5MW
Overall efficiency	≥88%@25°C±2°C,0.5P
Cycle life	≥8500cls @25°C±2°C,0.5P,70%SOH
Levels of protection	IP54
Overcharge protection	Support
Over-protection	Support
Over temperature protection	Support
lightning protection	Support
short-circuit protection	Support
Fire detection	Support
Water fire protection	Support
Auxiliary power supply	AC380V,50Hz/60Hz, (3W+N+PE) three-phase four-wire

* In case the product size and specifications vary, please refer to the most up-to-date information.