



Product

HIGHLIGHT



Time-Saving Efficiency:
Factory pre-installation and pre-commissioning save over 50% of installation time; cluster-level management boosts usable system capacity by 8%.



Ultimate Safety:
Anti-condensation design for battery packs and cabinets, with advanced thermal isolation, electrical safety protection, and four-level circuit breaking, keeping risk controllable across the entire chain and ensuring long-term stable returns.



Robust & Reliable:
Cabinet achieves a 2-hour fire rating, PCS features IP66 protection and C4 anti-corrosion capability, smart liquid cooling maintains temperature uniformity $\leq 3^{\circ}\text{C}$, battery life extended by 10%, and equipped with smart BMS millisecond-level monitoring and one-click upgrade.



Liquid Cooling BESS

Large-Scale Industrial ESS - EU/CA

This product series is designed for large-scale commercial and industrial energy storage. Featuring advanced liquid cooling, intelligent BMS monitoring, and multiple safety protections, it delivers high-capacity, efficient, and reliable energy storage. Combined with String PCS and a transformer station, the system supports flexible 2- to 4-hour configurations for peak load management, energy cost reduction, and backup power.

Liquid Cooling BESS

DC Side	
DC rated voltage	1331.2 V
DC voltage range	1123.2 ~ 1497.6 V
Pack composition	1P416S × 12
Cell type	LFP 314 Ah/ 3.2 V
Battery pack type	314Ah/332.8V
Battery cluster type	314 Ah/ 1331.2 V
Rated energy capacity	5015 kWh
General Information	
Cooling	Liquid cooling
Operation temperature	-30 ~ 50°C
Storage temperature	-30 ~ 60°C
Operation humidity	≤ 100% RH (non-condensing)
Charge & discharge rate	0.5 P
Altitude	≤ 4000 m
Dimensions (W x H x D)	6058 x 2896 x 2438 mm
Weight	≤ 43t
Protection	IP55 C4 (optional CS)
Configuration of safety	Gas fire suppression + Water-based fire suppression+ Ventilation optional explosion-proof plates)
Communication interface	RS485, Ethernet, CAN
Communication protocol	Modbus TCP/RTU, IEC 104, IEC 61850
Certificates and approvals	IEC 62477, IEC 62619, IEC 63056, IEC 60730, IEC 62933, UL9540A, IEC61000, UN38.3

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