



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.



String PCS and Transformer Station

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.

String PCS and Transformer Station

DC Side		
Max. DC voltage	1500 V	
Rated DC power	215 kW × 36	215 kW × 24
DC voltage range	1000 ~ 1500 V	
AC Side		
Rated AC power	7500 kVA	5000 kVA
Rated AC voltage	10 ~ 35 kV	
Rated AC frequency	50 Hz	
THDi (rated power)	< 3%	
Adjustable power factor range	-1 ~ +1	
General Infomation		
Isolation method	Oil-immersed transformer	
PCS maximum efficiency	99%	
Protection	IP66 (PCS) / IP54 (Cabinet body)	
Operating temperature	-30 ~ 50°C (derated above 45°C)	
Operating humidity	≤ 100% RH (non-condensing)	
Altitude	≤ 2000 m (Optional ≤ 4000m)	
Communication interfaces	RS485 / CAN / Ethernet	
Dimensions (W x H x D)	12192 x 2896 x 2438 mm	
Container weight	≤ 34.5 t	≤ 29.5 t
Certificates and approvals	IEC61000, IEC 60076, IEC62271	

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