

Containerized Battery Energy Storage System

Model	PowerMount-5MWh-S4
Battery	
Cell Type	LiFePO4-314Ah
Battery Capacity [kWh]	5015
Battery Rated Voltage [V]	1331.2
Battery Voltage Range [V]	1164.8~1497.6
Standard Charging / Discharging Power [kW]	2500
Efficiency	
System Efficiency	≥94%
General Parameters	
Degree of Protection	IP55
Operation Temperature [℃]	-20℃~+55℃ (>45℃, de-rating)
Relative Humidity	<95%
Permissible Altitude [m]	≤3000(>2000m, de-rating)
Cooling Method	Liquid Cooling
Fire Fighting System	Aerosol+Water Spray
Dimension [W*D*H] [mm]	6058*2438*2896
Weight [t]	<42
Communication Interface	Ethernet/RS485/CAN
Communication Protocol	Modbus TCP/Modbus RTU / CAN2.0
Certifications & Standards	
Certifications	IEC/EN 62619, IEC/EN 61000, IEC 63056, IEC/EN 62477 IEC 62933-5-2, IEC 60730-1, UL 9540A, UN 38.3, UN 3536

Containerized Battery Energy Storage System

- Ultra-high energy density
- Multi-level safety protection system
- Excellent thermal management to maintain the battery temperature difference ≤ 3℃
- Versatile application in multiple scenarios
- Flexible Configuration, support back-to-back layout
- Refined management of BMS to extend battery service life