

PowerMount (5MWh)



Containerized Battery Energy Storage System

-  Ultra-high energy density
-  Multi-level safety protection system
-  Excellent thermal management to maintain the battery temperature difference $\leq 3^{\circ}\text{C}$
-  Versatile application in multiple scenarios
-  Flexible Configuration, support back-to-back layout
-  Refined management of BMS to extend battery service life



Containerized Battery Energy Storage System

Model	PowerMount-5MWh-S2
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	$\geq 94\%$
General Parameters	
Degree of Protection	IP65 (IP55 Optional)
Operation Temperature [$^{\circ}\text{C}$]	$-20^{\circ}\text{C}\sim+50^{\circ}\text{C}$
Relative Humidity	$<95\%$
Permissible Altitude [m]	≤ 3000 ($> 2000\text{m}$, de-rating)
Cooling Method	Liquid Cooling
Fire Fighting System	Aerosol+Water Spray
Dimension [W*D*H] [mm]	6058*2438*2896
Weight [kg]	42500
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, UL 9540A, UN 38.3, UN 3536