

PowerMount (2089-3134kWh) Liquid Cooling^[1]



Containerized Battery Energy Storage System

-  All-in-One Design
-  Multi-Layer Safety Protection
-  Wide Temperature Adaptability from -30°C to 50°C
-  Flexible 0.25C / 0.5C Configuration
-  314Ah High-Capacity Cells
-  Self-Developed EMS for Simplified On-Site Commissioning & AI Cloud O&M



Containerized Battery Energy Storage System

Model	PowerMount -P500~2089kWh	PowerMount -P1000~2089kWh	PowerMount -P625~2612kWh	PowerMount -P1250~2612kWh	PowerMount -P750~3134kWh	PowerMount -P1500~3134kWh
Battery						
Cell Type	LiFePO4-314Ah					
System Configuration	4*2P260S		5*2P260S		6*2P260S	
Battery Capacity [kWh]	2089		2612		3134	
Nominal Voltage [V]	832					
Battery Voltage Range [V]	715~936					
AC Output						
Rated Output Power [kW]	500 (4*125)	1000 (8*125)	625(5*125) 1250(10*125)		750 (6*125)	1500 (12*125)
Rated Grid Voltage [V]	230/400, 3P4W + PE					
Voltage Tolerance	±15%					
Frequency [Hz]	50					
Overload Capacity	1.1					
Power Factor	-0.99~+0.99					
General Parameters						
Isolation Transformer	No					
Degree of Protection	IP55					
Anti-Corrosion Grade	C4 (C5 optional)					
Cooling Method	Liquid Cooling					
Dimension [W * H * D] [mm]	6058*2896*2438					
Weight [kg]	About 19000		About 23500		About 28000	
Operating Temperature [°C]	-30~50 (>45 derated)					
Storage Temperature [°C]	-20~45					
Relative Humidity	0~100% (Non-condensing)					
Operating Altitude [m]	4000 (>2000 derated)					
Noise Emission [dB(A)]	≤75					
Fire Suppression System	Smoke Detector, Temperature Detector, Combustible Gas Detector, Air Inlet & Exhaust Fan, Cabin-level Aerosol, Water Spray					
EMS	Standard					
Communication Interface	Ethernet					
Communication Protocol	Modbus TCP					

[1] This document is a preliminary specification. Final specifications will be confirmed upon product release.