PowerMount
(1075kWh–1720kWh)

Containerized Battery Energy Storage System

- Plug–and–play, all–in–one design
- Standard 20HQ container
- Support solar, generator, wind turbine accessing
- Multi grid auxiliary service application
- 5 layers safety design
- Higher availability with modular design & O&M cloud platform

Containerized Battery Energy Storage System

Model	PowerMount P500–1075kWh	PowerMount P600–1290kWh	PowerMount P700–1505kWh	PowerMount P800–1720kWh
Battery				
Cell Type	LiFePO4 – 280Ah			
Pack Configuration	1P20S			
System Configuration	5 * 1P240S	6 * 1P240S	7 * 1P240S	8 * 1P240S
Battery Capacity [kWh]	1075	1290	1505	1720
AC Output				
Connection Type	3P4W+PE			
Charging / Discharging Power [kW]	500	600	700	800
Grid Voltage [V]	400			
Frequency [Hz]	50 / 60			
Rated AC Output Current [A]	722	866	1010	1155
Harmonics	< 3% (@Rated power)			
Overload Capacity	110%@10min; 120%@60s			
General Parameters				
Isolation Transformer	No			
Degree of Protection	Outdoor Installation (Battery Cabinet: IP55, Electrical Cabinet: IP54)			
Container Anti–Corrosion Grade	C3			
Operation Temperature[1] [℃]	–20 ~ 50			
Relative Humidity	0 ~ 95% (Non–condensing)			
Permissible Altitude[2] [m]	⩽ 2000			
Cooling Method	Battery Cabinet: HVAC, Electrical Room: Forced Air Cooling			
Fire Fighting System	FAS & FM200 / Novec1230			
Noise Emission [dB]	⩽ 75			
Dimension [W * D * H] [mm]	20HQ Container (6058 * 2438 * 2896)			
Weight [kg]	24500			
Communication Interface	Ethernet			
Communication Protocol	Modbus TCP / IP			
Certifications & Standards				
Certifications	System: UN 3536, LVD, EMC, RoHS Cell: IEC 62619, UL 1973, UL 9540A PACK: UN 38.3 PCS: G99, EN 50549, AS 4777.2, VDE 4105			

[1] The system will be derated when the ambient temperature exceeds 45℃
[2] The system will be derated when the altitude is above 2000m