POWERMOUNT (2000kWh)

Containerized Battery Energy Storage System

- AC and DC coupling with the PV system
- Design optimization cuts lead time by **1/2** (VS traditional BESS structure)
- **Certificates:** IEC62619, IEC62477, IEC61000, EN50549, G99, UN3536, UN38.3, AS4777.2, VDE4105, etc.
- DC BUS grid-forming (GFM) technology ensures **100%** availability of battery cluster capacity

AC/DC Coulping

EMS is compatible with numerous mainstream PV inverter brands.

Modular O&M

Modular O&M without interferencein the normal operation of othermodules for cost savings andutilization optimizing.

Multiple Energy Access

Solar, diesel generator, wind turbine, etc.

Response<200ms

High-efficiency charging and discharging.

Containerized Battery Energy Storage System

Parameters	PowerMount-P1000-2000kWh
Battery Parameters	
Cell type & capacity	LiFePO4 – 280Ah
System configuration	8*1P280S
System capacity（BOL）	2007kWh
AC Output Parameters	
Rated output power	1000kW（optional: 500kW）
Rated voltage	AC400V，3P4W+PE
Rated grid frequency	50Hz±5Hz/60Hz±5Hz
Max. output current	1443A（opional: 722A）
Harmonics	＜3%（@rated power）
Overload capacity	110%, continuous
General Parameters	
Isolation transformer	No
Protection level	IP54
Anti-corrosion grade	C3
Operating temperature [1]	-30℃～50℃
Relative humidity	0～95%（non-condensing）
Operating altitude [2]	＜2000m
Noise emission	⩽75dB
Dimension (W*D*H)	20HQ container (6058mm×2438mm×2896mm)
Max. weight	26300kg
Fire fighting system	Novec1230
Communication interface and protocol	Ethernet, Modbus TCP/IP
Warranty	5 years (can be extended to 10 years)
Certifications & Standards	
Certifications	System：UN3536, IEC61000, IEC62477, IEC62619, IEC62933, RoHS Cell：IEC62619, UL1973, UL9540A, UL1642 PACK：UN38.3 PCS：G99, EN50549, AS4777.2, VDE4105, VDE4110

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

Industrial Park Energy Storage

Capacity Expansion Peak-load Shifting TOU Tariff Arbitrage Power Quality Management

Solar + Storage + EV Charging Station

Store Extra Solar Energy Peak-load Shifting Tariff Savings Power Expansion for More Chargers Eco-friendly Solution

Solar + Storage Microgrid

Backup PowerStore Extra Solar EnergyDistributed Energy Integration Optimizing The Power Grid Upgrading