PowerM-Pro
Liquid-cooling Energy Storage Container



All-in-One Integration
- Pre-integrates batteries, BMS, PCS, and EMS into a single container
- Unified AC/DC coupling for seamless operation
- Faster and simpler installation for reduced costs and labor

Modular Design
- Offers flexible AC voltage options for diverse applications
- Enables on-demand capacity configuration

Independent Rack Management
- Prevents performance imbalance between racks
- Boosts overall efficiency and extends system service life

Intelligent O&M
- Provides at-a-glance system visibility with real-time monitoring and diagnostics
- Delivers precise maintenance through modular design and rack-level control

Product Model	PowerM-Pro 2500/1000-400V	PowerM-Pro 3300/1700-690V	PowerM-Pro 3300/1700-800V
Battery Side Parameters			
Cell parameters			
Cell type	LFP		
Cell capacity	314Ah/315Ah		
Pack parameters			
Pack battery configuration	1P104S		
Pack rated voltage	332.8V		
Pack rated energy	104.499kWh/104.832kWh		
Rack parameters			
Rack battery configuration	1P312S	1P416S	
Rack rated voltage	998.4V	1331.2V	
Rack rated energy	313.497kWh/314.496kWh	417.996kWh/419.328kWh	
Battery compartment parameters			
Rated energy	2507kWh	3343kWh	
System battery configuration	8P312S	8P416S	
Rated voltage	998.4V	1331.2V	
System voltage range	873.6 ~ 1107.6Vdc	1164.8 ~ 1476.8Vdc	1206.4 ~ 1476.8Vdc
Rate for charging and discharging	≤0.5P		
PCS Side Parameters			
PCS quantity	8		
Full load voltage range (3P3W)	680Vdc~1500Vdc	1000Vdc~1500Vdc	1150Vdc~1500Vdc
Full load voltage range (3P4W)	700Vdc~1500Vdc	/	
Rated AC output voltage	400V	690V	800V
Wiring method	3P4W	3P3W	
Rated output power	8*125kW	8*215kW	8*210kW
Max. output power	8*137.5kVA	8*237kVA	8*231kVA
Power factor	0.99 (leading)~0.99 (lagging)		
THDi	<3% (@rated power)		
THDu (off-grid)	<3% (No-load and balanced resistive load)		
System Parameters			
Container dimensions (W*H*D)	20ft. (6058 mm * 2896mm *2438 mm)		
Container weight	<28t	<33t	
Auxiliary power supply	Self-powered		
Ingress protection rating	IP55		
Anti-corrosion grade	C4 (C5 customizable)		
Operating ambient humidity	0%~95% (non-condensing)		
Operating ambient temperature	-20°C~55°C (derated over 45°C)		
Max. operating altitude	4000m (derated above 2000m)		
Cooling method	Battery compartment: liquid-cooling / PCS: smart air cooling		
Fire protection/safety features	Aerosol + combustible gas detection + ventilation + water extinguishing system		
Communication interface	LAN		
Communication protocol	Modbus TCP		
Certification	Battery rack: IEC 62619, IEC 63056, IEC 62477, EN IEC 61000, UL 1973, UL 9540A, UN 38.3 PCS: IEC 62477, EN IEC 61000		