

# 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
<b>Battery Side Parameters</b>			
Cell parameters			
Cell type	LFP		
Cell capacity	315Ah		
Pack parameters			
Pack battery configuration	1P104S		
Pack rated voltage	332.8V		
Pack rated energy	104.832kWh		
Rack parameters			
Rack battery configuration	1P312S	1P416S	
Rack rated voltage	998.4V	1331.2V	
Rack rated energy	314.496kWh	419.328kWh	
Battery compartment parameters			
Rated energy	2515kWh	3354kWh	
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		
<b>PCS Side Parameters</b>			
PCS quantity	8		
DC input voltage range	615 ~ 1200V	1060 ~ 1500V	1200 ~ 1500V
Rated AC output voltage	400V	690V	800V
AC voltage range	-15% ~ +10%		
Wiring method	Three-phase four-wire	Three-phase three-wire	
Rated output power	8*125kW	8*215kW	
Max. output power	8*137.5kW	8*237kW	
Frequency range	50±5Hz/60±5Hz		
Power factor	0.99/-1 ~ 1		
Current distortion rate	<3% (@rated power)		
<b>System Parameters</b>			
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		
Max. operating altitude	4000m (derated when the operating altitude is over 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		