

PowerNet 300 Series 215/430Kwh Outdoor Distributed Battery Cabinet

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► PUBLIC UTILITY SOLUTIONS



Environmental Adaptation

- The machine is IP54 rated and features an internal forced air-cooling system with independent thermal management for diverse scenarios.



Safe and Reliable

- The PACK system features shell thermal insulation with a triple fire protection design, independent relay protection, core-level thermal monitoring, and physical isolation of single points of failure, significantly enhancing system safety.



Multi-Computer Parallel Link

- PowerNET outdoor control inverter cabinets enable modular expansion of distributed energy storage systems, meeting deployment needs for large-scale applications.



Highly Integrated

- The single cabinet integrates the battery pack, battery management system, thermal management system, and fire protection system into one highly integrated unit.



Flexible Deployment

- A pre-assembled cabinet requires less than 2 square meters and can be flexibly deployed in various locations, including parks, commercial buildings, and factories.

Specifications

PowerOn D1 Specifications

Product model	PowerNet 300	
Inverter Cabinet	PowerNet 300	PowerNet 300
Number Of Battery Cabinets	1	2
Rated Energy (kWh)	215	430
Rated Power (kw)	100	200
System Efficiency	<90%	<90%
Size (W/D/H, mm)	1700X1250X2000 (Single Cabinet)	
Weight (kg)	≤ 2600 (Single Cabinet)	
Communication and grid connection parameter		
Grid-connected Wiring System	3W+N+PE	
Grid-connected Voltage (VAC)	380(-15%~+10%)	
Grid-connected Frequency (Hz)	50 (± 2)/60 (± 2)	
Power Factor	-0.9~+0.9	
Output Harmonics	≤ 3% (Rated Power)	
Communication and grid connection parameter		
Charge/Discharge Conversion Time (ms)	≤100	
Voltage Accuracy	1%	
Frequency Accuracy (HZ)	± 0.2HZ	
Output Voltage Harmonics	≤ 3% linear loads	
Dynamic Response (ms)	Twenty	
Unbalanced Load Capacity	100%	
Overload Capacity	≤ 105%, Capable Of Long-term Operation	
	105%~110%, Running Time ≤ 10 minutes	
	>110%, Stop Running	
Cycle Life (cycles)	≥6000	
Protection Degree	IP54	
Installation	Outdoor, Floor Mounted Installation	
Cooling Method	Air Conditioner	
Noise(dB)	≤70	
Anti-corrosion Class	C4	
Life Span	≥ 10 Years	
Certification	IEC62619,UN38.3,CE,GB/36276	