

Power Atlantic[®]

Liquid Cooling Battery Container



High Safety

PACK-level and cabin-level gas fire suppression, cabin-level water extinguishing, and aerosol fire suppression for electrical cabinets



Intelligence

In-depth fusion of BMS/PCS/EMS data, supporting real-time failure diagnosis and prediction



High Reliability

Intelligent comprehensive environmental control, supporting harsh environment operation



Low Noise

Top airflow design with smart variable frequency fan technology



Low Power Consumption

Thermal resistance balance design and intelligent optimization control to support life time low consumption

▶ **PERFORMANCE PARAMETER**

Specification	PA-4000	PA-5000
Cell capacity	3.2V/306Ah	3.2V/314Ah
System battery configuration	1P416S×10	1P416S×12
Rated battery capacity	4.073MWh	5.015MWh
System voltage range	1164.8 ~ 1497.6V	
Dimensions (W×D×H)	6058×2438×2896	
Weight (with/without batteries)	37.5t/9t	41.5t/9t
Anti-corrosion grade	C3/C4/C5	
Degree of protection	IP54	IP55
Operating temperature range	-30℃ ~ +50℃	
Relative humidity	0 ~ 95%	
Cooling concept of battery chamber	Liquid cooling	
Maximum working altitude	≤4000m	
Operational environment	Outdoor (container)	
Fire suppression system	Perfluorohexanone, combustible gas detection, supply and exhaust ventilation, explosion vent panel	Aerosol, combustible gas detection, supply and exhaust ventilation, explosion vent panel
System communication protocol	Modbus TCP/IEC104/IEC61850	

▶ **TESTING & CERTIFICATION**

CE	EMC	UN38.3	UL	AU
----	-----	--------	----	----