

# POWER CUBE

## PowerCube Station 2.41MWh Na+



### SAFE AND RELIABLE



High-density, long-cycle-life sodium-ion batteries are utilized for energy storage. The module features an IP66 protection rating, liquid cooling for heat dissipation, real-time temperature control, and a multi-level battery management system (BMS). Safety and intelligent operation are ensured through its three-level explosion-proof design.

### HIGHLY INTEGRATED



Adopts a plug-and-play modular design with electrical isolation for easy maintenance. Saves 30% space within a 20ft container, reducing installation costs and shortening commissioning time.

### STABLE OPERATION



The integrated thermal management system maintains the temperature difference between battery cells below 3°C. Equipped with multi-level fire protection, it can actively detect and effectively prevent fires. The container has an IP54 protection rating and a C4 corrosion-proof grade, capable of withstanding harsh external environments.

### EASY MAINTENANCE



Designed for external maintenance, it allows for multi-dimensional analysis of battery status. Equipped with an intelligent alarm system and a remote monitoring platform for real-time tracking.

Model	PowerCube Station 2.41MWh Na <sup>+</sup>	
System Architecture	12P416S	PACK(1P52S or 1P104S)
Capacity	170Ah	Na <sup>+</sup> CELL
Energy	2.41MWh	
Rated voltage	1181V	
Standard charging power	0.5C	
Operating voltage	624V~1414V	
Standard discharging power	0.5C	
Standard current	2508A (12 parallel × 170Ah 0.5C × 2)	
Pulse power	1C/1C	
Recommended SOC range	10%~90%	
Absolute charging temperature	0°C~50°C	
Operating discharging temperature	-20°C~50°C	
Relative humidity	5%~90% RH	
Dimension	6058*2896*2438mm	
Weight	50T	
Protection grade	IP54	
Cycle performance	8000	25C2C, 0.5C@90% DOD80%EOL 0.5C @90%DOD 80%EOL
System efficiency	>99%	25C2C, 0.5C@95%DOD
Cooling method	Liquid cooling	Ethylene Glycol
Fire protection system	Perfluoroethane and water-based spray	
Maximum altitude	2,000m (>2,000 meters automatic pressure reduction)	
Communication protocols	CAN/MODBUS/IEC61850/IEC104	