

Industrial and Commercial Liquid-Cooled PV-Storage All-in-One Cabinet System

Model No. : 261-125-2H



Product Highlights

Energy Storage System | All-in-One Turnkey Solution



Cost Efficiency

Modular design with multi-channel MPPT integration reduces installation & commissioning time by 50%. Intelligent temperature control cuts auxiliary power consumption by 30% with system $\Delta T \leq 4^{\circ}\text{C}$

-50% Install Time -30% Aux Power $\Delta T \leq 4^{\circ}\text{C}$



Ultimate Safety

AI-powered full-domain sensing accurately identifies thermal runaway risks and achieves millisecond-level fault isolation. Full chimney fire-prevention chain effectively eliminates combustion & explosion hazard

AI Sensing ms Isolation Fire Chain



Ultimate Performance

Supports both grid-tied and off-grid scenarios, ensuring continuous power supply. Innovative BMS management extends system lifespan by 2 years and increases lifetime discharge capacity by 10%.

Grid/Off-Grid +2Y Lifespan +10% Capacity



Intelligent O&M

AI-based smart cloud platform enables real-time status monitoring & precise remote fault analysis, reducing on-site O&M workload by 40% through predictive maintenance and automated alerts.

AI Cloud Remote Diagnosis 40% O&M

Technical Specifications

Product Model	Aqua-MX-261-125-2h
DC Side Parameters	
System Rated Capacity	261 kWh
Rated Power	125 kW
Battery Voltage Range	702 ~ 936 Vdc
Cell Type	LFP 3.2V / 314Ah
System Configuration	1P26S
PV Side (MPPT) Parameters	
Rated Power	50 / 100 kW (Optional)
Rated Current	4×37.5A / 4×37.5A×2
PV Voltage Range	150 ~ 1000 Vdc
PV Full-Load Min. Voltage	340 Vdc
PV Max. Open-Circuit Voltage	* 1000 Vdc
AC Side Parameters	
Rated Power	125 kW
Current THD	< 3% (Rated Power)
AC Voltage Harmonic	< 3% (Linear Load)
DC Component	< 0.5% (Rated Current)
Rated Voltage	400 Vac
AC Voltage Range	340 ~ 460 Vac
Frequency Range	50 ± 5 Hz
System Parameters	
Operating Temperature	-30 ~ 55°C (Derating above 45°C)
Operating Relative Humidity	5% ~ 95% RH, No Condensation
Max. Operating Altitude	≤ 2000 m
Protection Rating	IP55 (Battery) / IP54 (Equipment)
Max. PCS Efficiency	98.5%
Max. MPPT Efficiency	99%
Max. STS (Optional) Efficiency	99.5%
Grid/Off-Grid Switching Time (w/ STS)	< 20 ms
Temperature Control	Intelligent Liquid Cooling
Cycle Life	≥ 7000 Cycles
System Weight	≤ 2900 kg
Corrosion Protection	C4 (Standard) / C5 (Optional)
System Dimensions (W × D × H)	1600 × 1300 × 2000 mm
Fire Protection	Composite Detectors, Cabinet/Pack-Level, Ventilation
Communication Interface	Ethernet
Certifications	GB/T 36276, GB/T 34131, GB/T 34120, GB/T 34133

* Actual limit subject to battery minimum voltage. Customer PV max. open-circuit voltage is 702-30=672V.