



Midea Energy



# Aqua-E-261-125-2h-IEC

## Liquid-Cooled C&I Energy Storage System

### Investment Savings

- Integrated system design, pre-installation and pre-commissioning, minimizing on-site adjustments.
- AI intelligent temperature control, system temperature difference  $\leq 4^{\circ}\text{C}$ , reduce 30% auxiliary power consumption.

### User Experience Upgrade

- User-friendly terminal design adaptable to various wire gauge requirements.
- Significantly reduced operational noise levels as low as 70dB.

### Maximum Performance

- Multi-stage PCS high-efficiency energy conversion technology to enhance the system charging and discharging efficiency up to 90%.
- Cloud AI optimization algorithms provide decision-making basis through high-accuracy forecasting for complex system operation and electricity market transactions, which can increase annual revenue by 15% to 20% and shorten the return on investment cycle.

### Intelligent Operation and Maintenance

- Intelligent online monitoring, rapid state detection and fault recording to achieve rapid system fault location and analysis.
- Supports remote operation and maintenance, with intelligent O&M enhancing the efficiency of energy storage station operations, asset returns, and service revenues.

Product Model	Aqua-E-261-125-2h-IEC
<b>DC-side parameters</b>	
Nominal capacity	261kWh
Nominal power	125kW
Battery voltage range	676–949VDC
Cell type	LFP3.2V/314Ah
System configuration	1P260S
<b>AC-side parameters</b>	
Nominal power	125kW
THDi	< 3%
THDu (off-grid)	< 3%
DC component	< 0.5%
Nominal voltage	400 V AC
AC voltage range	340–460 V AC
Frequency range	50 ± 5 Hz
<b>System Parameters</b>	
Operating ambient temperature range	–30°C to +55°C (> 45°C derating)
Storage ambient temperature range	–30°C to +55°C
Relative humidity	5%–95% RH (non-condensing)
Max. operating altitude	2000 m
Ingress protection (IP) rating	IP55
System efficiency	≥ 87%@0.5P
Auxiliary power	Self-powered
Cooling method	Liquid cooling
Cycle life	≥ 8000 cycles
Weight	2700 ± 50 kg
Anti-corrosion degree	C3 C4 (optional)
Dimension (W × D × H)	1150mm × 1500mm × 2400mm (without lifting eyes)
Fire suppression system	Smoke detector, heat detector, aerosol, horn strobe
Communication interface	Ethernet, CAN, RS485, 4G
Standard	IEC62619, IEC63056, IEC62040, IEC62477, UN38.3
Transportation	Full populated with battery packs