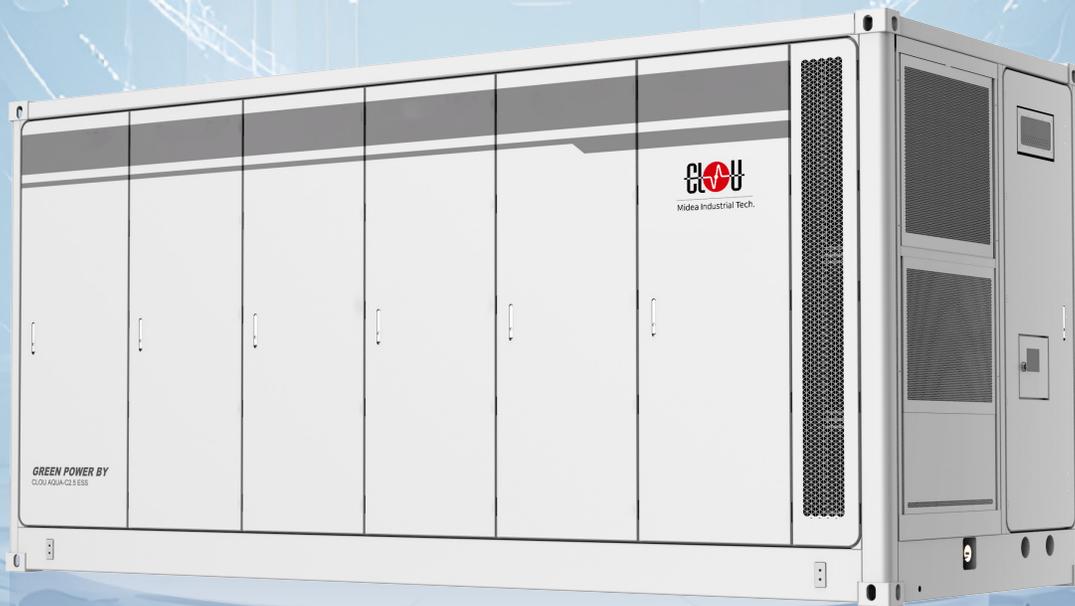




Midea Industrial Tech.



Aqua-C2.5 Liquid-Cooling System

Excellent Safety

- Real time monitoring
- Enhanced safety system design
- IEEE693 high-level seismic design
- PCS battery unit management

Excellent Service

- Customized services
- Intelligent operation and maintenance
- Flexible terms and conditions

Excellent Performance

- Higher energy density
- Advanced biomimetic heat dissipation technology
- Longer lifecycle with increased usable energy
- Enhanced environmental tolerance
- Improved availability
- Lower auxiliary consumption
- Reduced LCOE, increased revenue
- BMS Active balancing throughout entire chain (cell, pack, enclosure)

Product Name	Aqua-C2.5H (HV Box Version)	Aqua-C2.5S (String PCS Version)
PCS	Compatible with Central PCS	Includes 215kW String PCS
Mass production	Q1 (UL)/Q2 (IEC) of 2025	Q3 (UL)/Q4 (IEC) of 2025
Container model	20 ft	
Nominal capacity	5.015 MWh 5.111 MWh (optional)	
Cell type	LFP3.2V/314Ah LFP3.2V/320Ah (optional)	
Series-parallel Mode	12*1P416S	
Max.charge/discharge power	1278 kW (0.25CP)/2555kW (0.5CP)	
Nominal DC voltage	1331.2 V	
DC voltage (full power)	1164-1500 V	
Dimensions (W*D*H)	6058 mm*2438 mm*2896 mm	
Lifetime	20 years	
Weight	≤ 44 t	
Auxiliary power supply	480 Vac, 60 Hz/400 Vac, 50 Hz	
SOC calculation	≤ 3%	
SOH (end of life)	70%	
Operation temperature	-30 to 50 °C (optional -35 °C)	
Maximum operation altitude	≤ 4000 m	
Environment humidity	0-95% (non-condensing)	
Degree of protection	IP 55 or NEMA Type 3	
Anti-corrosion degree	C4 C5 (optional)	
Noise	≤ 75dB (A), Standard version ≤ 65dB (A), Silencer assembly (optional)	
Snow/ice loads	30 lb/sqft	
Wind loads	129 mph	
Seismic level	IEEE 693 high design qualification (optional)	
Communication interfaces	Ethernet	
Fire suppression method	Dry pipes with sprinklers, Aerosol (optional)	
Compliance	CE, RoHs and Reach, UL 1973, UL 9540A, UL 9540, IEC 62619, IEC 63056, IEC 62477-1 UN 38.3, NFPA 855, NEC, etc.	
Cooling method	Intelligent liquid cooling	
Transportation	Fully populated with battery modules	



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Aqua-C Series Liquid-Cooling System

Excellent Safety

- Real time monitoring
- Enhance safety system design
- IEEE693 high-level seismic design

Excellent Service

- Customized services
- Intelligent operation and maintenance
- Flexible terms and conditions

Excellent Performance

- Higher energy density
- Longer lifecycle with increased usable energy
- Enhanced environmental tolerance
- Improved availability
- Lower auxiliary consumption
- Decreased LCOE, increased revenue
- Active balancing throughout entire chain (cell, pack, enclosure)

Product Name	Aqua-C1		Aqua-C2
Container model	20 ft		
Nominal capacity	3.727 MWh	4.073 MWh	4.18 MWh
Cell type	LFP 3.2V/280 Ah	LFP 3.2V/306 Ah	LFP 3.2V/314 Ah
Max. charge/discharge power	1863 kW	2037 kW	2446 kW
Nominal DC voltage	1331 V		
DC Voltage (full power)	1164 V-1500 V		
Dimensions (W*D*H)	6058 mm*2438 mm*2896 mm		
Lifetime	20 years		
Weight	≤ 38 t		
Auxiliary power supply	480 Vac, 60 Hz/400 Vac, 50 Hz		
SOC calculation accuracy	≤ 3 %		
SOH (end of life)	60 %	70 %	
Operation temperature	-30 to 50 °C	-30 to 50 °C (optional -35 °C)	
Maximum operation altitude	≤ 2000 m		
Environmental humidity	0 - 100 % RH		
Degree of protection	IP55 or NEMA Type 3		
Anti-corrosion degree	C4 (EN ISO 12944)		
Noise	< 75 dB (A)	< 70 dB (A)	
Snow/ice loads	30 lb/sqft		
Wind loads	129 mph		
Seismic level	IEEE 693 High design qualification		
Communication interfaces	Ethernet		
Fire suppression method	Dry pipes with sprinklers, aerosol (optional)		
Compliance	CE, RoHs and Reach, IEC 62619, IEC 63056, UL1973, UL 9540A, UL 9540, UN 38.3, NFPA 855, NEC, etc.		
	/	UKCA BS/EN/IEC 62477-1	
Cooling method	Intelligent liquid cooling		
Transportation	Fully populated with battery modules		