



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 of 2025	Q3 of 2025
Container model		20 ft
Nominal capacity		5.111 MWh
Cell type		LFP 3.2 V/320 Ah
Max.charge/discharge power		1278 kW/2555 kW
Nominal DC voltage		1331 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)		60%
Operation temperature		-30 to 50 °C (optional -35 °C)
Maximum operation altitude		≤ 4000 m
Environment humidity		0-100% RH
Degree of protection		IP 55 or NEMA Type 3
Anti-corrosion degree		C4 C5 (optional)
Noise		≤ 85dB (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



Midea Industrial Tech.



Aqua-C Series Liquid-Cooling System

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Excellent Performance

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- 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				