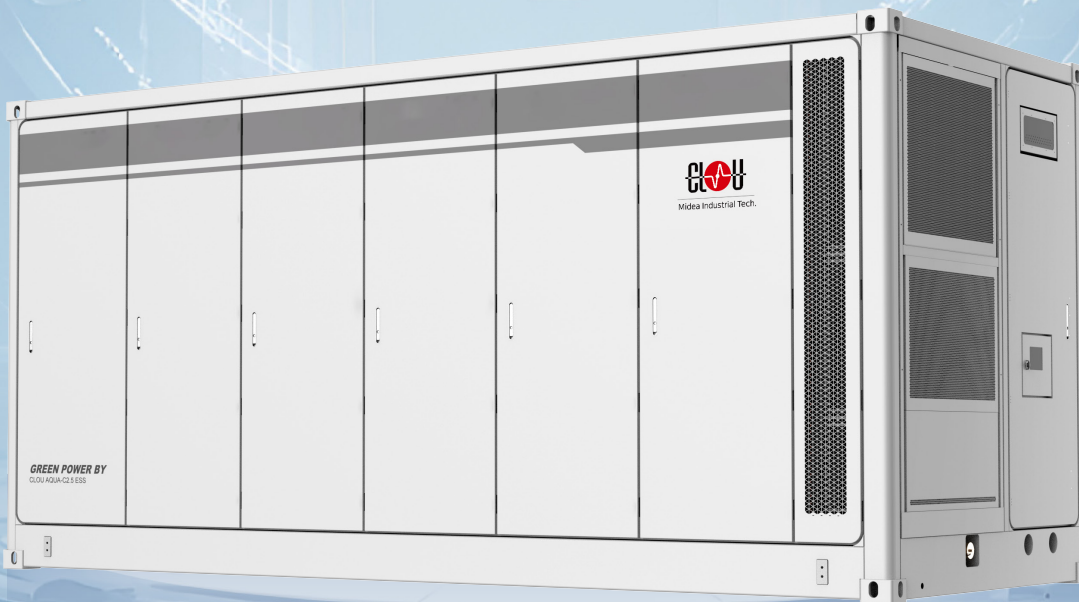




Midea Industrial Tech.



Aqua-C2.5 Liquid-Cooling System

Excellent Safety

- Real time monitoring
- Enhanced safety system design
- IEEE693 high-level seismic design
- PCS battery unit management (For String PCS Version)

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 | |
| Cell type | LFP3.2V/314Ah | |
| Series-parallel Mode | 12*1P416S | |
| Max.charge/discharge power | 2507.9kW@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 | ≤ 42 t | |
| Auxiliary power supply | 480 Vac, 60 Hz/400 Vac, 50 Hz | 690V,50Hz/60Hz |
| SOC calculation | ≤ 3% | |
| SOH (end of life) | 68% | 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 | |
| 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 | UL1973, UL9540A, UL9540, UN38.3, NFPA855, NEC, IEC 62620, IEC 63056, IEC 62485-5 etc. | |
| Cooling method | Intelligent liquid cooling | |
| Transportation | Fully populated with battery modules | |



Midea Industrial Tech.



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 | | |