



Midea Industrial Tech.



Aqua-E-233 Liquid-Cooled Commercial Energy Storage System

Installation Efficiency

- All-in-one design
- Highly integrated (10% less footprint)

Excellent Service

- Customized services
- Tailored solutions

Optimizing Returns

- Smart scales technology
- System over efficiency $\geq 92\%$
- Intelligent operation and maintenance
- AI intelligent operation and maintenance
- Cloud web real-time monitoring

Type Designation	Aqua-E-233-110-2h
DC-side Parameters	
Nominal Capacity	233kWh
Nominal Power	110kW
Battery Voltage Range	676~949Vdc
Cell Type	LFP 3.2V/280Ah
System Configuration	1P260S
AC-side Parameters	
Nominal Power	110kW
Max. THD of Current	< 3%
AC Voltage Harmonics	< 3%
DC Component	< 0.5%
Nominal Voltage	400Vac
AC Voltage Range	340~460Vac
Frequency Range	50±5Hz
System Parameters	
Operating Temperature Range	-30~55°C (> 45°C derating)
Storage Temperature Range	-30°C ~55°C
Relative Humidity	5%~95%RH, (Non-condensing)
Max. Working Altitude	2000m
Protection Grade	IP55
System Efficiency	≥ 87%@0.5P
Auxiliary Power	Self-powered
Cooling Concept	Liquid cooling
Cycle Life	≥ 7000 Cycles
Weight	2450±50kg
Corrosion-proof Grade	C4, C5 (Optional)
Dimensions (W*D*H)	1050*1350*2400mm
Fire Suppression Concept	Aerosol, Smoke detector, Smoke detector, Audible and visual alarm
Communication Interface	Ethernet/CAN/RS485,4G(Optional)
Compliance	IEC62619, IEC63056, IEC62040, IEC62477, UN38.3
Transportation	Full populated with battery packs