



Midea Industrial Tech.

Aqua-E 233

Aqua-E 418



Aqua-E C&I Energy Storage Product

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

Product Name	Aqua-E 233	Aqua-E 418
AC side		
Nominal AC voltage	480 V	690 V
Nominal voltage range	480 V ± 15 % AC	690 V ± 7 % AC
Dimensions (W*D*H)	1050*1350*2400 mm	1350*1330*2350 mm
Weight	3000 kg	4300 kg
Power factor	(-1, 1)	
Nominal frequency	60 Hz	
Overload capacity	110 % Pn Long-term	
Current distortion rate	< 3 %	
THD	< 3 % @rated current	
DC component	< 0.5 %	
Off-grid output voltage	480 V	690 V
Cell type	LFP 3.2 V/280 Ah	LFP 3.2 V/314 Ah
Nominal capacity	233 kWh	418 kWh
System configuration	1P 260S	1P 416S
DC side		
Nominal power	105 kW	200 kW
Nominal DC voltage	832 V	1331.2 V
DC voltage range	689~949 V	1185.6~1476.8 V
Rated charge and discharge rate	0.5 CP	
System parameter		
System efficiency	≥ 92 % @0.5C	
Operation temperature	-20 to 50 °C (> 45 °C Derating)	
Allowable relative humidity range	5 % to 95 % (Non-condensing)	
Maximum operation altitude	≤ 2000 m	
Degree of protection	IP54/NEMA4 (cabinet); IP54/NEMA3 (others)	
Anti-corrosion degree	C4/C5 (optional)	
Cooling method	Battery system: liquid cooling	
	Equipment compartment: forced air cooling	
Fire suppression system	Smoke & temperature sensing + Aerosol device + Sound and light alarm + Explosion board + Water spray	
Compliance	UL1973, UL9540A, UL9540, UL1741, IEEE1547, UN38.3	
Communication interfaces	Ethernet, RS485, 4G	