



UNITY MODEL-A

C&I All In One System

KEY FEATURES



SCALABILITY

Scalable upto 12 units in parallel.



SAFETY

Fire-protected compartments with advanced cooling.



DURABILITY

IP66 protection and corrosion-resistant C3–C5 grade enclosure.



EFFICIENCY

Optimized BMS and inverter performance.



VERSATILITY

Reliable across voltage and frequency



RELIABILITY

Consistent performance even in demanding environments.



1800 2026 252

TECHNICAL PARAMETERS

MODEL A	Model A-105-233	Model A-125-261
AC Parameters		
AC rated Power	105 kW	125 kW
Rated Grid Voltage (V)	400V	400V
Voltage Range (AC)	360~440V	360~440V
Power Factor	0.99/-1~1	0.99/-1~1
AC Standard	3P/N/PE	3P/N/PE
THDU	<2%	<2%
Rated Frequency	50/60Hz	50/60Hz
Overload Capacity	110% overload (long time), 120% 1 minute	110% overload (long time), 120% 1 minute
AC Protection	Circuit breaker + AC lightning protection	Circuit breaker + AC lightning protection
Battery Parameters		
Cell Type	LFP	LFP
Nominal Voltage	832V	832V
Voltage Range (V)	728~936V	728~936V
System Energy (kWh)	233 kWh	261 kWh
Charge/ Discharge Rate	0.5C/0.5P	0.5C/0.5P
Cooling Mode	Liquid Cooling	Liquid Cooling
Series of Battery	1P*52*5S	1P*52*5S
Pack Protection level	IP66	IP66
General Parameters		
System Efficiency	>86%	>86%
Operating Temp Range	-25~60°C (Decadation above 45 °C)	-25~60°C (Decadation above 45 °C)
Operating Humidity	0%-95% R.H	0%-95% R.H
IP Rating	IP66	IP66
Anti Corrosion grade	C3-M (Standard)/ C4/ C5	C3-M (Standard)/ C4/ C5
Firefighting System	PACK-level aerosol + Cabin level aerosol + Water firefighting (optional)	
Communication Port	RS485/ CAN 2.0/ Ethernet/ Dry Contact	RS485/ CAN 2.0/ Ethernet/ Dry Contact
Noise	≤76dB@1m	
Certification	GB/T 36276, UN38.3, IEC62619, IEC62477, IEC61000	
Dimension (WxDxH)	1100 x 1320 x 2560 mm	1100 x 1320 x 2560 mm
Equipment Weight	2600Kg	2600 Kg
AC Protection	Circuit breaker + AC lightning protection	Circuit breaker + AC lightning protection