

C&I ENERGY STORAGE SYSTEM

E-MATE 125-261-L

Liquid Cooling 125kW/261kWh

UN38.3



CHUBB®



Features



Battery + PCS On Grid Storage System



Used in On Grid Storage / PV AC Couple System



Supports 10 in Parallel in AC Side



52.25kWh Modular Design Liquid Cooling Battery



Multi - Level Protection and Alarm (Gas, Water, Ventilation)



Intelligent EMS, Remote Monitoring and Fault Diagnose



Scenarios



Industrial Parks



Commercial Parks



Livestock Farms



Farms



Manufacturing Bases

DATASHEET

Model	E-MATE 125-261-L	
Battery Parameters		
Cell technology	LFP-3.2 V / 314 Ah	
Battery pack (Wh/V)	52.25 kWh, 166.4 V	
Number of packs	5	
Battery pack protection level	IP67	
Rated capacity	261.25 kWh	
Rated voltage	832 V	
Rated current	157 A	
Voltage range	728 V ~ 936 V	
Charge / discharge rate	0.5 P	
AC Side Parameters		
PCS Brands	yunt	
Rated power	125 kW	
Rated voltage	400V±15%	
Rated frequency	50Hz / 60Hz	
Rated output current	180 A	
Power factor	-1 ~ 1	
Charge/discharge switching time	< 100ms	
PCS maximum efficiency	98.5%	
Overload capacity	110% (long-term), 120%(1 min)	
Other Parameters		
Dimension (W×D×H)	1100×1424×2350 mm	43.31×56.06×92.52 inch
Weight	2700 kg	
IP Rating	IP55	
Cooling method	Liquid cooling	
FFS	Aerosol + combustible gas detection and exhaust	
Cycle life	8000 cycles (25±2°C,0.5P/0.5P, 70% SOH)	
Operating temperature	-20°C ~ +50°C (-22°F ~ +122°F) (Derating below -15°C or above 45°C)	
Relative humidity	0 ~ 95% (No condensation)	
Maximum working altitude	≤ 4000m (> 2000m Derating)	
Noise	≤75dB	
Communication	CAN/RS485/4G+LAN	
Corrosion Resistance	C4	
Rated Wiring Specification per Phase	2/0AWGmm² (Copper Core Power Cable)	
Standard Compliance		
Compliance	UL9540A (system level) / PGS 37-1 / UN38.3 / IEC62619 / IEC62477 / IEC61000 / EN18031-1 / EU / NRS097-2-1 / EN50549-1 / EN50549-2	

SYSTEM DIAGRAM

