

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	2/0AWGmm ² (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

