

C&I ENERGY STORAGE SYSTEM

E-MATE 125-261-L (Liquid Cooling)

125kW/261kWh



Features



Battery + PCS on grid storage system



52.25kWh modular design liquid cooling battery



Used in on grid storage / PV AC couple system



Multi-Level protection and alarm (gas, water, ventilation)



Supports 10 in parallel in AC side



Intelligent EMS, remote monitoring and fault diagnose

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		
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	2500 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)	
Standard Compliance		
Compliance	UN38.3 / IEC62619 / IEC62477 / IEC61000 / EN18031-1 / PGS 37-1 / UL9540A / EU / NRS097-2-1 / EN50549-1 / EN50549-2	

SYSTEM DIAGRAM

