



C&I ENERGY STORAGE SYSTEM



Liquid Cooling ESS_E-MATE 125-261-L | 125kW/261kWh

-  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

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	650 V ~ 949 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	
Standard Compliance		
Compliance	UN38.3 / EN 62477-1 / EN IEC 61000-6-2 / EN IEC 61000-6-4 / IEC62619	

SYSTEM DIAGRAM

