

C&I ENERGY STORAGE SYSTEM

E-MATE 125-261-L MAX

Liquid Cooling 261 kWh

UN38.3 MSDS IEC



Hybrid Inverter + Battery Cabinet

Features



Use in Different Applications
By Choosing Cabinets



Intelligent EMS, Remote Monitoring
and Fault Diagnose



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



Single Cluster Battery
Management

Scenarios



**Mall and medium-sized industrial
And commercial enterprises**
Factories, workshops,
commercial Complexes and office buildings



Outdoor sites

Communication base stations and signal towers,
Meteorological and environmental monitoring stations,
Outdoor construction and temporary camps



Remote areas

Islands and mountainous villages,
Border guard posts and field workstations



Special emergencies

Emergency disaster relief and rescue,
Large-scale events and sports event support

DATASHEET

Model		E-MATE 125-261-L MAX
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	
PV Input (Optional)		
Max. Input Power	250 kW	
PV Voltage Range	150–950 V	
Max. Input Current	42 A × 10	
Number of MPPTs	10	
AC Side		
Rated Output Power	125 kW	
Rated AC Voltage	230 V / 400 V	
AC Voltage Range	±15%	
Grid Type	3W + N + PE	
Rated Frequency	50 Hz / 60 Hz	
THDu	<3%	
System Parameters		
Dimension (W × D × H)	1100 × 1424 × 2350 mm	
	43.31 × 56.06 × 92.52 inch	
Weight	2300 kg	
IP Rating	IP55	
Anti Corrosion Level	C4M	
Altitude	≤ 4000 m (> 2000m Derating)	
Display	LCD Display (battery operating status, SOC, alerts, etc)	
Communication	CAN / RS485	
Application	ON Grid / ON Grid+Backup / OFF grid	
Compatible inverters	Compatible inverters	
Battery Cabinet — Hybrid Inverter Cable Specs	1/0 AWG (Copper Core Power Cable)	
Cooling method	Liquid cooling	
FFS	Aerosol + combustible gas detection and exhaust	
Cycle life	8000 cylces (25±2°C,0.5P / 0.5P, 70% SOH)	
Standard Compliance		
Compliance	IEC 62619 / IEC 60730 / IEC 63056 / IEC 61000-2/-4 / UN 38.3 & MSDS	

SYSTEM DIAGRAM

