C&I ENERGY STORAGE SYSTEM

E-MATE 125-261-L MAX

Liquid Cooling | 261 kWh

UN 38.3 IEC



Hybrid Inverter + Battery Cabinet

Features

- Use in Different Applications By Choosing Cabinets
- Intelligent EMS, Remote Monitoring and Fault Diagnosis
- Multi-Level Protection and Alarm (Gas, Water, Ventilation)
- Single Cluster Battery Management

Scenarios



Small 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

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DATASHEET

Model	E-MATE 125-261-L MAX
Battery Parameters	
Cell technology	LFP-3.2 V / 314 Ah
Battery pack (kWh / 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 (above 2,000 m: derating applies)
Display	LCD Display (battery operating status, SOC, alerts, etc.)
Communication	CAN / RS485
Application	On-grid / On-grid+Backup / Off-Grid
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	8,000 cycles (25 ± 2 °C, 0.5P / 0.5P, 70 % SOH)
Standard Compliance	
Battery Cabinet	IEC62477 / IEC 62619 / IEC 63056 / IEC 61000-2/-4 / UN 38.3
Hybrid Inverter	EN50549-1&10,IEC61727&62116,IEC62109,IEC61000

SYSTEM DIAGRAM

