

C&I Energy Storage System

Liquid Cooling ESS

E-MATE 125-261-L | 125kW/261kWh



Profit Maximization

One-to-one management for batteries cluster, reduces thermal risks, prevents inter-cluster issues, enhances stability, lowers costs, and adapts to various scales.



Comprehensive Safety

Multi-level warnings (gas/water fire protection, exhaust) ensure safety. Efficient thermal management (temp. diff. $\leq 3^{\circ}\text{C}$, rise $< 7^{\circ}\text{C}$) extends lifespan and ensures stability.



Intelligent O&M

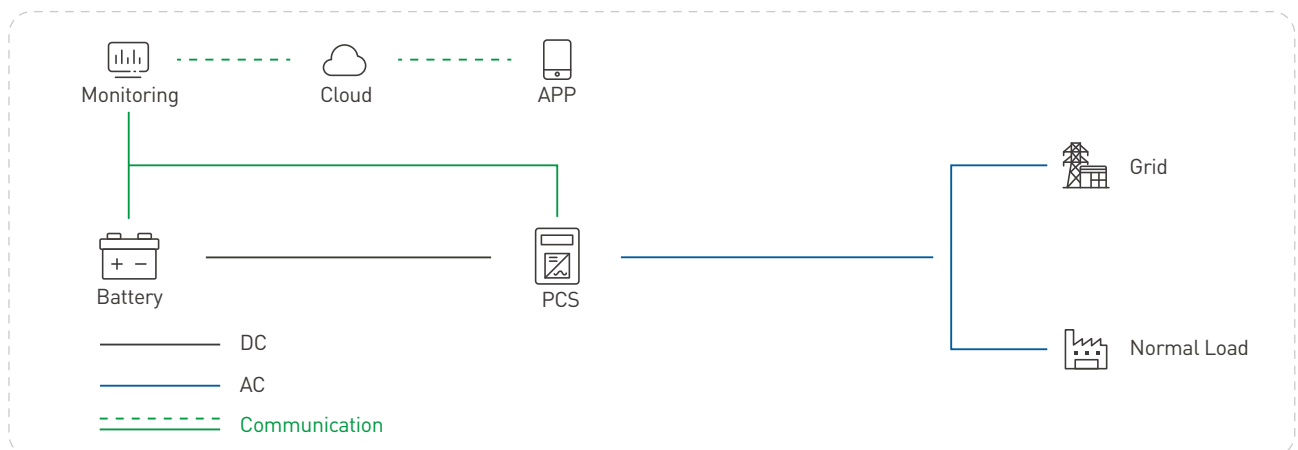
One-click management, remote monitoring, and fault diagnosis for hassle-free operation.



Easy Installation

Front-access, modular, and AC/DC integrated for easy deployment, maintenance, and cost-effective installation.

System Diagram



Datasheet

Model	E-MATE 125-261-L
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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	0.985
Overload capacity	110% (long-term), 120%(1 min)

Other Parameters

Dimension (W×D×H)	1000×1450×2300 mm
	39.37×57.09×90.55 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
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