

## C&I Energy Storage System

Liquid Cooling ESS (On Grid Application)

E-MATE 200-233-L | 200kW/233kWh



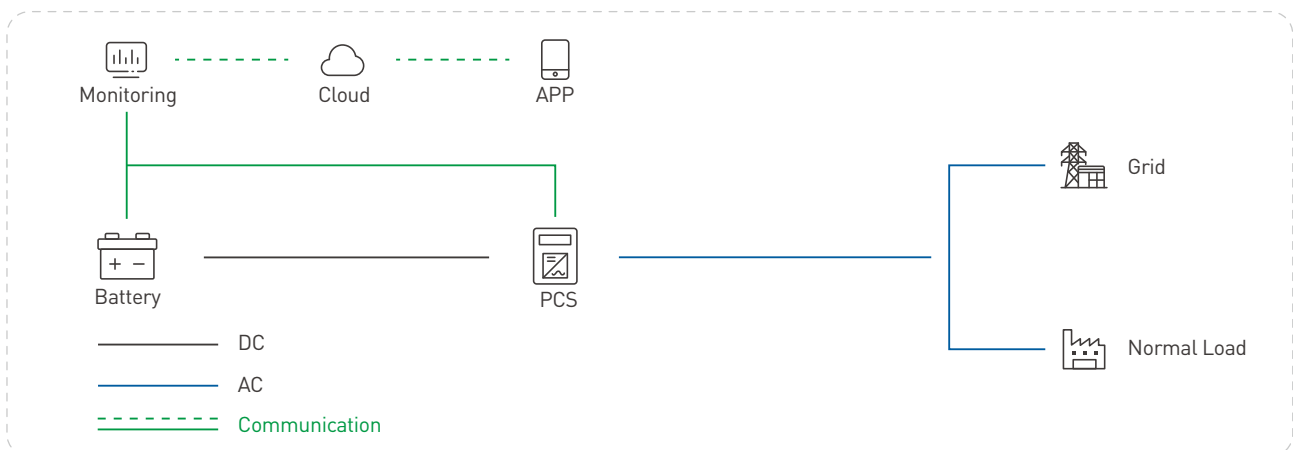
**Profit Maximization**  
One-to-one management for batteries cluster, reduces thermal risks, prevents inter-cluster issues, enhances stability, lowers costs, and adapts to various scales.

**Safety System**  
Integrates multi-level warnings (gas/water fire protection, exhaust) for your asset safety.

**Intelligent O&M**  
One-click management, remote monitoring, and seamless grid switching for hassle-free operation.

**High Rate System**  
Equipped with advanced 1C high-capacity cells, it easily empowers you to handle high-demand scenarios like frequency modulation and capacity expansion.

### System Diagram



# Datasheet

CE UN38.3   

Model	E-MATE 200-233-L
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## Battery Side Parameters

Cell technology	LFP-3.2 V / 280 Ah
Battery module	46.592 kWh, 166.4 V
Number of packs	5
Battery pack protection level	IP67
Battery system rated capacity	232.96 kWh
Battery system rated voltage	832 V
Battery system rated current	280 A
Battery system voltage range	650 V - 949 V
Battery system charge/discharge rate	1P

## AC Side Parameters

Rated power	200 kW
Rated voltage	400V±15%
Rated frequency	50Hz / 60Hz
Maximum output current	334 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)	1000×1450×2300 mm
	39.37×57.09×90.55 inch
Weight	2500 kg (5511.56 lbs)
Heat dissipation method	Liquid cooling
Ingress protection rating	IP55
Firefighting	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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