

C&I ENERGY STORAGE SYSTEM

E-MATE 200-418-L

Liquid Cooling 200kW/418kWh

UN38.3



Features



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



Scenarios



Industrial Parks



Commercial Parks



Livestock Farms



Farms



Manufacturing Bases

DATASHEET

Model		E-MATE 200-418-L
Battery Parameters		
Cell technology	LFP-3.2 V / 314 Ah	
Battery packs	52.25 kWh, 166.4 V	
Number of packs	8	
Rated capacity	418 kWh	
Rated voltage	1331.2 V	
Voltage range	1164.8 V ~ 1497.6 V	
Charge / discharge rate	0.5P	
AC Side Parameters (optional)		
PCS Brands	elecod	
Rated output power	200 kW	
Rated grid voltage	800 V	
Rated output current	144 A	
Allowable grid voltage range	3W+PE, -15% ~ +10% (Settable)	
Rated grid frequency	50Hz / 60 Hz	
Output THDi	< 3%	
Power factor	-1 ~ 1	
Overload capacity	110% (long term), 120% (1 min)	
Charge / discharge switching time	< 100ms	
Maximum efficiency	99%	
Other Parameters		
Dimension (W×D×H)	1520*1450*2390 mm	
	59.8*57*94.1 inch	
Weight	4000 kg (8816 lbs)	
Operating temperature	-20°C ~ +50°C (-22°F ~ +122°F) (Derating below -15°C or above 45°C)	
Relative humidity	0 ~ 95% (No condensation)	
Maximum working altitude	≤ 4000m (> 2000m Derating)	
Noise	≤75dB	
IP Rating	IP55	
Cooling method	Liquid cooling	
FSS	Aerosol: module-level + stack-level, water firefighting, combustible gas detection and exhaust	
Communication	CAN / RS485 / 4G+LAN	
Cycle life	8000 cycles (25 ± 2°C, 0.5P / 0.5P, 70% SOH)	
Rated Wiring Specification per Phase	2/0AWG (Copper Core Power Cable)	
Standard Compliance		
Compliance	IEC62619,IEC63056,IEC62477-1,IEC61000-6-2/-4,IEC60730,UN38.3,Rohs	

SYSTEM DIAGRAM

