

C&I ENERGY STORAGE SYSTEM

E-MATE 200-418-L (Liquid Cooling)

200kW/418kWh



Battery + PCS on grid storage system



52.25kWh modular design liquid cooling battery



Used in on grid storage / PV AC couple system



Multi-Level protection and alarm (gas, water, ventilation)



Supports 10 in parallel in AC side



Intelligent EMS, remote monitoring and fault diagnose

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	1040 V ~ 1497.6 V	
Charge / discharge rate	0.5P	
AC Side Parameters (optional)		
Rated output power	200 kW	
Rated grid voltage	690V ± 15%	
Rated output current	184.1 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)	1500×1450×2350 mm	
	59×57×93 inch	
Weight	4300 kg (9479.88 lbs)	
Operating temperature	-30°C ~ +55°C (-22°F ~ +131°F) (Derating below -15°C or above 45°C)	
Relative humidity	0 ~ 95% (No condensation)	
Maximum working altitude	3000m (> 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 / TCP	
Cycle life	8000 cycles (25 ± 2°C, 0.5P / 0.5P, 70% SOH)	
Standard Compliance		
Compliance	UN38.3 / UN3480 / IEC62619 / IEC6100-6-2 / IEC62477-1 / CQC (More available upon request)	

SYSTEM DIAGRAM

