

EENOVANCE

C&I ENERGY STORAGE SYSTEM



Liquid Cooling ESS_E-MATE 200-418-L | 200kW/418kWh

-  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

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 $\pm$ 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 $\pm$ 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

