C&I ENERGY STORAGE SYSTEM

E-MATE 200-418-L

Liquid Cooling | 200 kW / 418 kWh

UN38.3 IEC RoHS CE



Features

- Battery + PCS On-grid Storage System
- 52.25 kWh Modular Design Liquid Cooling Battery
- Used in On-grid Storage / AC-coupled PV system
- Multi-Level Protection and Alarm (Gas, Water, Ventilation)
- Supports 10 Units in Parallel on the AC Side
- Intelligent EMS, Remote Monitoring and Fault Diagnosis

Scenarios


Industrial Parks


Commercial Parks


Livestock Farms


Farms


Manufacturing Bases

EN V3.3 202611. Information is subject to change without notice as products are improved. Copyright © 2026 Shenzhen EENOVANCE Energy Technology Co., Ltd. All rights reserved.

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	50 Hz / 60 Hz
Output THDi	< 3 %
Power factor	-1 ~ 1
Overload capacity	110 % (long term), 120 % (1 min)
Charge / discharge switching time	< 100 ms
Maximum efficiency	99 %
Other Parameters	
Dimension (W × D × H)	1520 × 1450 × 2390 mm
	59.8 × 57 × 94.1 inch
Weight	4000 kg (8816 lb)
Operating temperature	−20 °C to +50 °C (-4 °F to +122 °F) (Derating below −15 °C or above 45 °C)
Relative humidity	0 % to 95 % (No condensation)
Maximum working altitude	≤ 4000 m (> 2000 m Derating)
Noise	≤ 75 dB
IP Rating	IP55
Cooling method	Liquid cooling
FFS	Aerosol: module-level + stack-level, water firefighting
Communication	CAN / RS485 / 4G+LAN
Cycle life	8,000 cycles (25 ± 2 °C, 0.5P / 0.5P, 70 % SOH)
Rated Wiring Specification per Phase	2/0 AWG (Copper Core Power Cable)
Standard Compliance	
Compliance	IEC 62619,IEC63056,IEC62477-1,IEC61000-6-2/-4,UN 38.3

SYSTEM DIAGRAM

