C&I ENERGY STORAGE SYSTEM

E-MATE 125-261-L

Liquid Cooling | 125 kW / 261 kWh

UN38.3 IEC UL



CHUBB®

Features

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

Scenarios


Industrial Parks


Commercial Parks


Livestock Farms


Farms


Manufacturing Bases

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DATASHEET

Model	E-MATE 125-261-L
Battery Parameters	
Cell technology	LFP-3.2 V / 314 Ah
Battery pack (kWh / V)	52.25 kWh, 166.4 V
Number of packs	5
Battery pack protection level	IP67
Rated capacity	261.25 kWh
Rated voltage	832 V
Rated current	157 A
Voltage range	728 V ~ 936 V
Charge / discharge rate	0.5 P
AC Side Parameters	
PCS Brands	Yunt
Rated power	125 kW
Rated voltage	400 V ± 15 %
Rated frequency	50 Hz / 60 Hz
Rated output current	180 A
Power factor	-1 ~ 1
Charge / discharge switching time	< 100 ms
PCS maximum efficiency	98.5 %
Overload capacity	110 % (long-term), 120 % (1 min)
Other Parameters	
Dimension (W × D × H)	1100 × 1424 × 2350 mm 43.31 × 56.06 × 92.52 inch
Weight	2700 kg
IP Rating	IP55
Cooling method	Liquid cooling
FFS	Aerosol + combustible gas detection and exhaust
Cycle life	8,000 cycles (25 ± 2 °C, 0.5P / 0.5P, 70 % SOH)
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
Communication	CAN / RS485 / 4G+LAN
Corrosion Resistance	C4
Rated Wiring Specification per Phase	2/0 AWG (Copper Core Power Cable)
Standard Compliance	
Compliance	UL9540A (system level) / PGS 37-1 / UN 38.3 / IEC 62619 / IEC62477 / IEC61000 / IEC62933-5-2

SYSTEM DIAGRAM

