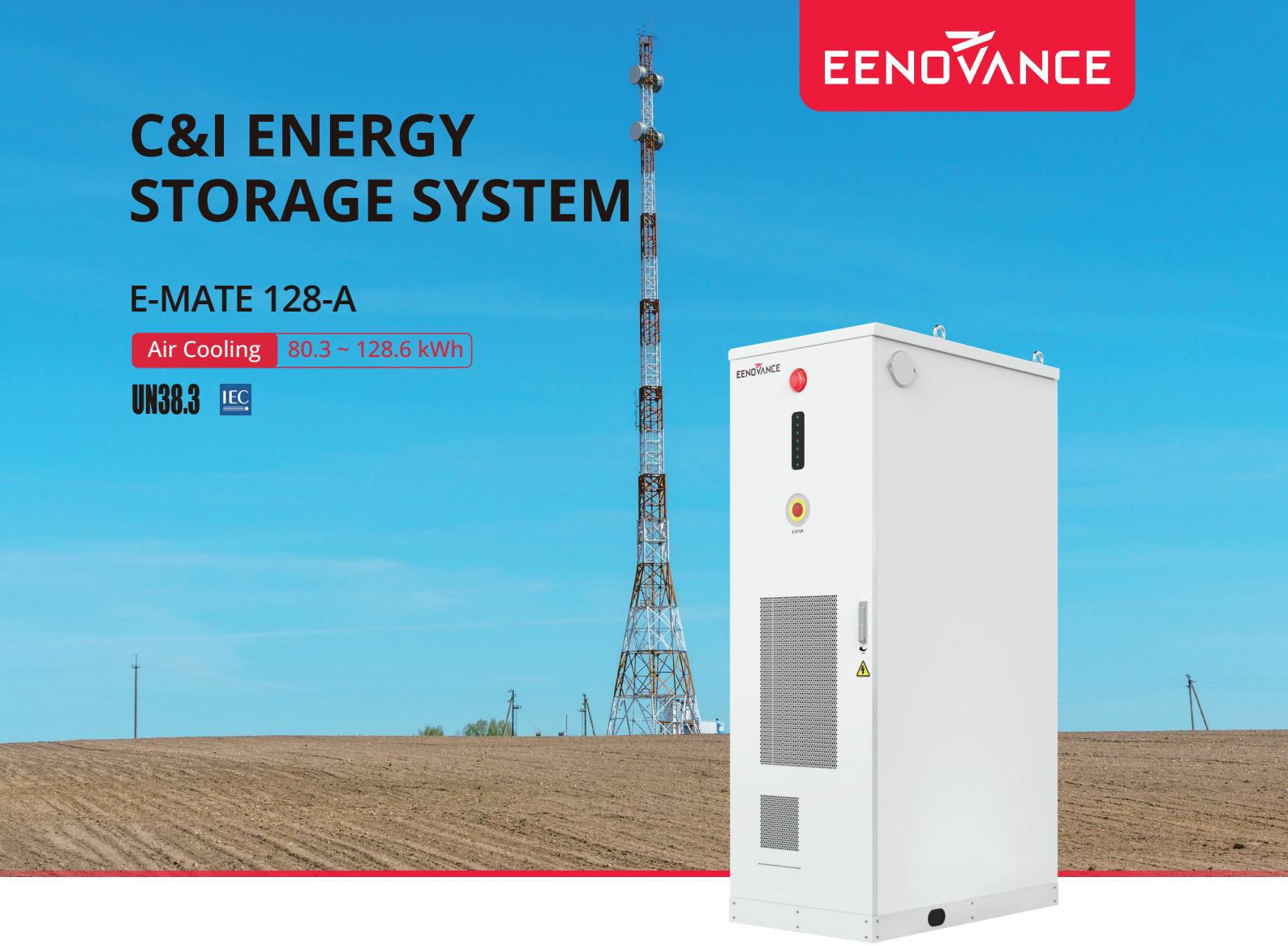
C&I ENERGY STORAGE SYSTEM

E-MATE 128-A

Air Cooling | 80.3 ~ 128.6 kWh

UN38.3 IEC



Features

- Scalable Capacity Up to 128 kWh
- High-Safety LFP System With Multi-Level BMS
- Precision Thermal Management
- Intelligent Cloud Monitoring & Control
- Industrial-Grade IP55 Enclosure
- Rapid Plug-and-Play Deployment

Scenarios



Small and medium-sized industrial and commercial enterprises

Factories, workshops, commercial complexes and office buildings



Outdoor sites

Communication base stations and signal towers, meteorological and environmental monitoring stations, outdoor construction and temporary camps



Remote areas

Islands and mountainous villages, Border guard posts and field workstations



Special emergencies

Emergency disaster relief and rescue, large-scale events and sports event support

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 80-A	E-MATE 96-A	E-MATE 112-A	E-MATE 128-A
Battery Parameters				
Cell technology	LFP ($LiFePO_4$)			
Battery module	16.0768 kWh, 51.2 V, 112 kg (246.92 lb)			
Number of modules	5	6	7	8
Battery usable energy [1]	80.384 kWh	96.4608 kWh	112.5376 kWh	128.6144 kWh
System nominal voltage	256 V	307.2 V	358.4 V	409.6 V
System operating voltage	224 ~ 288 V	268.8 ~ 345.6 V	313.6 ~ 403.2 V	358.4 ~ 460.8 V
System Max. charge and discharge current	157 A			
Recommended Depth of Discharge	90 %			
Charge / discharge rate	0.5P			
Other Parameters				
Dimension (W × D × H)	780 × 1257 × 2373 mm			
	30.71 × 49.49 × 93.43 inch			
Weight	1264 kg (2786.64 lb)	1376 kg (3033.56 lb)	1488 kg (3280.47 lb)	1600 kg (3527.39 lb)
Installation	Floor stand			
Operating temperature [2]	Charge: 0 °C to 50 °C (32 °F to 122 °F) Discharge: -20 °C to 50 °C (-4 °F to 122 °F)			
Environmental humidity	≤ 95 % RH (No condensation)			
IP Protection	IP55			
Anti Corrosion Level	C4-M			
Warranty period [3]	5 years / 10 years (Optional)			
Cooling method	Forced-air cooling			
Altitude	≤ 4000 m (above 2,000 m: derating applies)			
Display	LCD Display (battery operating status, SOC, alerts, etc.)			
Communication	CAN / RS485 / Bluetooth + Wi-Fi			
Application	On-grid / On-grid + Backup / Off-Grid			
Compatible inverters	Refer to compatible Hybrid Inverter list			
Cycle life	8,000 cycles (25 ± 2 °C, 0.5P / 0.5P, 70 % SOH)			
FFS	Gas fire fighting (aerosol): cabinet level, water fire fighting, smoke sensing, temperature sensing, pressure relief valve			
Battery Cabinet — Hybrid Inverter Cable Specs	1/0 AWG (Copper Core Power Cable)			
Standard Compliance				
Compliance	UN 38.3 / IEC 62619 / IEC 63056 / IEC 61000-6-4 / IEC61000-6-2 / IEC62477-1			

[1] Test conditions: 100 % depth of discharge (DOD), 0.5C rate charge & discharge at 25 °C.

[2] Charge / discharge derating occurs when the temperature is below 0 °C or above 45 °C.

[3] Please refer to the Warranty Letter for applicable conditions.

SYSTEM DIAGRAM

