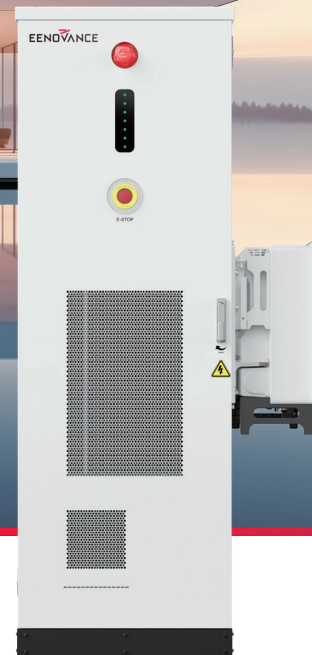


EENOVANCE

C&I ENERGY STORAGE SYSTEM

E-MATE 50-128-A (Air Cooling)

50kW/128kWh


Features



PV / Battery / AC / DG All
in One Hybrid System



4*MPPT / 2* Bat and
2* Coms



Used in Both On-Grid and
Off-Grid Application



10ms Ups Switching
Backup Power



Supports 6 in Parallel Both AC
and DC Side



Multi-Level Protection and
Alarm (Gas, Water, Ventilation)



IP55-Certified, Suitable for
More Outdoor Applications



Intelligent EMS, Remote Monitoring
and Fault Diagnose

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DATASHEET

Model	E-MATE 50-128-A
Battery Parameters	
Cell technology	LFP-3.2 V / 314 Ah
Battery pack	16.07 kWh, 51.2 V
Number of packs	8
Rated capacity	128.61 kWh
Rated voltage	409.6 V
Rated current	157 A
Voltage range	345.6 V ~ 7467.2 V
Charge / discharge rate	0.5P
AC Side Parameters	
Rated output power	50 kW
Rated grid voltage	3L / N / PE220 / 380, 230 / 400V,240/415Va
Rated output current	75.8 A,72.5 A,69.4 A
Allowable grid voltage range	230 V ~ 400 V
Rated grid frequency	50Hz / 60Hz
Output THDi	< 3%
Power factor	-0.8~ 0.8
Overload capacity	110% (long term), 120% (1 min)
On / Off-grid switching time	< 10ms
Charge / discharge switching time	< 100ms
Maximum efficiency	97.80%
PV Side Parameters	
PV side voltage range	150 V-850 V (full power above 500 V)
DC maximum current	4*40 A
DC maximum power	75 kW
MPPT quantity	4
Other Parameters	
Dimension (W×D×H)	780×1257×2373 mm 30.71 × 49.49 × 93.39 inch
Weight	1689 kg (3721.89 lbs)
Operating temperature	-20°C~+50°C (-22°F~+122°F) (Derating Below-15°C or above 45°C)
Relative humidity	0~95% (No condensation)
Maximum working altitude	≤4000 m (> 2000 m Derating)
Noise	≤75dB
IP Rating	IP55
Cooling method	Forced air cooling
FSS	Aerosol: module-level + stack-level, water firefighting, combustible gas detection and exhaust
Communication	ICAN/RS485/Bluetooth+WiFi
Cycle life	8000 cycles (25±2°C, 0.5P / 0.5P, 70% SOH)
Standard Compliance	
Compliance	UN38.3/IEC62619/63056/60730/IEC6100-6-2/IEC62477-1
Warranty	5 years for the system, we have specific warranty document, we can share the sample if the customer requires

SYSTEM DIAGRAM

