

C&I ENERGY STORAGE SYSTEM

E-MATE 261-L

Liquid Cooling 125kW-261kWh

UN38.3 MSDS IEC



Hybrid Inverter

Battery Cabinet

Hybrid Inverter + Battery Cabinet

Features



Use in Different Applications By Choosing Cabinets



Intelligent EMS, Remote Monitoring and Fault Diagnose

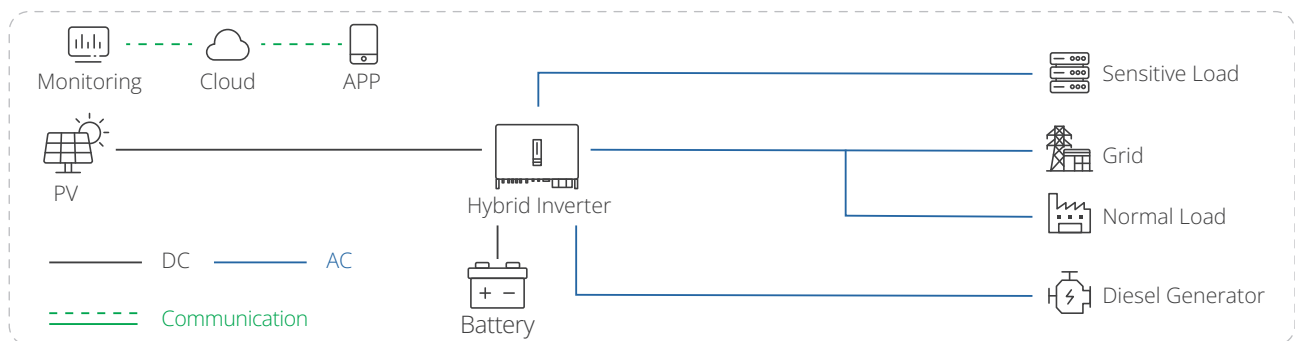


Multi - Level Protection and Alarm (Gas, Water, Ventilation)



Single Cluster Battery Management

SYSTEM DIAGRAM (FlexCore 125kW~500kW/261kWh~1044kWh)



DATASHEET

Model		E-MATE 261-L
System Composition		
125kW three-phase high-voltage hybrid inverter	Includes PCS / MPPT / STS , 1174 x 814 x 400 mm , 170 kg , No transformer	1 set
Battery cabinet (optional, <12)	261 kWh , 1000×1450×2300 mm , 2.7 t	1 set
DC input (photovoltaic side)		
Recommended maximum PV component power	250 kW	
Maximum available PV input power	250 kW	
Maximum input voltage	1000 V	
Rated input voltage	600 V	
Starting voltage	180 V	
MPPT voltage range	150 V - 950 V	
Maximum input current	10*42 A	
Maximum input short-circuit current	10*60 A	
Number of MPPT/Maximum number of input group serials	10/20	
Battery		
Battery type	LFP	
Battery voltage range	300 - 950 V	
Maximum charging/discharging current	200 A / 100 A + 100 A	
Number of battery ports	2	
The maximum charge and discharge current of each battery port	100 A	
The way of communication	CAN/RS 485	
AC output (power grid side)		
Rated output power	125 kW	
Maximum output apparent power	125 kVA	
Rated power grid voltage	3/N/PE , 220 V / 380 V , 230 V / 400 V	
Rated power grid frequency	50 Hz / 60 Hz	
Rated power grid output current	189.9 A / 180.4 A	
Power factor	>0.99 (0.8 Ahead ..0.8 Lag behind)	
Total current harmonic distortion rate	<3%	
AC output (out-grid side)		
Rated output power	125 kW	
Maximum output depends on the power.	125K: 1.2x rated overload, 100 seconds; 1.4x rated overload, 10 seconds; 1.6x rated overload, 200 ms	
Switching time off the Internet	<10 ms	
Rated output voltage	3 / N / PE , 220 V / 380 V 230 V / 400 V	
Rated frequency	50 Hz / 60 Hz	
Total voltage harmonic distortion rate	<2%	
AC input (generator)		
Maximum input power	125 kW	
Rated input current	189.9 A / 180.4 A	
Rated input voltage	3 / N / PE, 220 V / 380 V ; 3 / N / PE, 230 V / 400 V	
Rated input frequency	50 Hz / 60 Hz	
Basic parameters		
Maximum allowable phase imbalance (grid side and off-grid side)	100 %	
Maximum power per phase (grid side and off-grid side)	41.66kW	
Size (width x height x depth)	1174 x 814 x 400 mm	
Weight	170 kg	
Topology	No transformer	
Working environment temperature/humidity	-25 ~ +60°C / 0 ~ 100 %	
Protection level	IP66	
Cooling method	Intelligent air cooling	
The highest working altitude	3000 m	
Standard Compliance		
Compliance	UN38.3 & MSDS/IEC62619/63056/60730/IEC61000-2/-4	