



CX-261

C&I All-in-One Energy Storage System



UL 1973
UL 9540A
UL 9540



IEC 62619



NFPA 68
NFPA 69
NFPA 855

UN38.3



Safe & Reliable

- Liquid cooled pack, cell special designed for battery storage.
- High protection degree with IP67 pack and IP55 system.
- Equipped with fire suppression system.
- Multi-level electrical safety.



Flexible Configuration

- Various application scenarios.
- Transportation with forklift or crane.
- Self-developed EMU, supports customization.



Highly Integrated

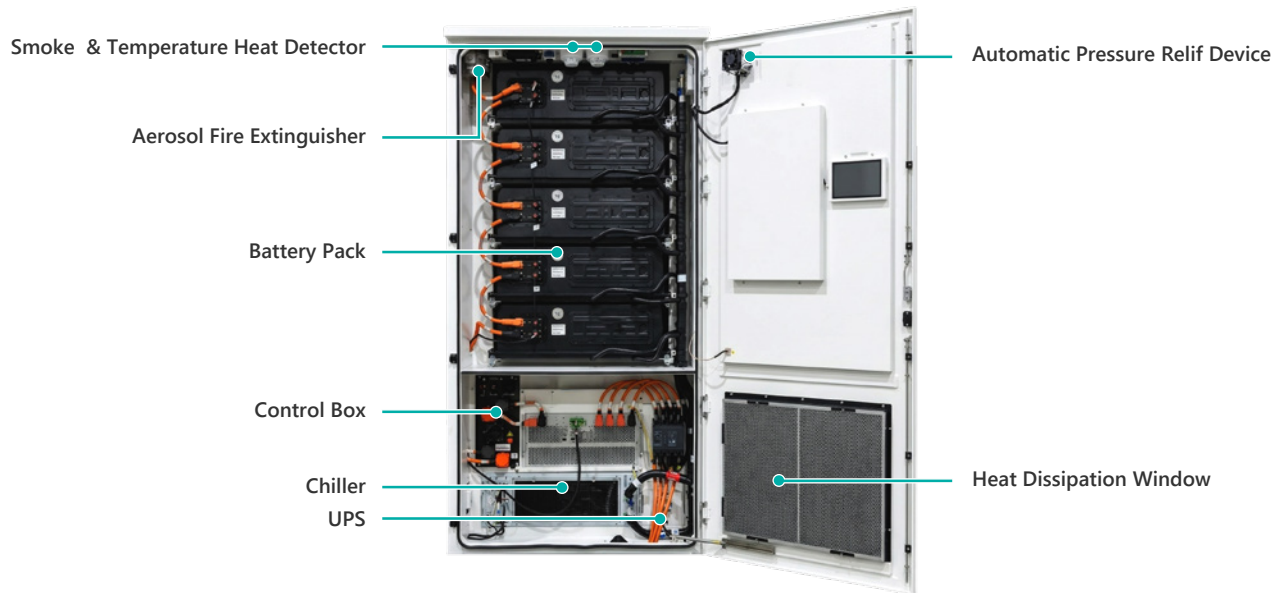
- Space saving all-in-one design.
- Modular design, easy maintenance.
- Supports capacity expansion via parallel connection.



Smart Maintenance

- System running state monitoring in real time, ensure system safety.
- Intelligent management of charging and discharging, save the costs.

Product Structure



Product Specifications

System Parameter	
DC Voltage Range (Vdc)	728 ~ 936
AC Voltage Range	AC400 V $\pm 3\%$
System Configuration	1P260S
Rated Power (kW)	125
System Nominal Energy (kWh)	261
Dimensions (L*W*H)(mm)	1120 x 1350 x 2420 (Including the height of the vent plate)
Weight (kg)	2600
Protection Degree	IP55
Working Temperature Range (°C)	-30 ~ 50 (>45 derating)
Humidity (%)	≤ 95 (no condensation)
Altitude (m)	≤ 3000 (>2000 derating)
Cooling Method	PCS air cooling + battery liquid cooling
Fire Suppression System	aerosol
Communication Interface	RS485 / Ethernet
Communication Protocol	Modbus / MQTT
Cell Parameter	
Rated Capacity (Ah)	314
Rated Energy (Wh)	1004.8
Dimension (mm)	71.95 x 174.8 x 207.1
Pack Parameters	
Configuration	1P52S
Nominal Voltage (Vdc)	166.4
Nominal Energy (kWh)	52.2
Dimension (mm)	800 x 1152 x 237
Weight (kg)	Approx. 340
System Components	
Pack	5 sets
Battery Management system	1 set
Fire Suppression System	1 set
Chiller	1 set, 5 kW
Cabinet	1 set
PCS	1 set, 125 kW
Battery Control Box	1 set

PCS Technical Specifications

DC Side	
Operating Voltage Range (V)	600 ~ 1000
Full Load Voltage Range (V)	630 ~ 950
Rated Direct Current (A)	198
AC Side (on-grid)	
Nominal Output Power (kW)	125
Nominal Current (A)	180
Nominal Grid Voltage (V)	400 (three phase four wire)
Grid Frequency (Hz)	50 / 60 $\pm$ 2.5
Power Factor	-0.99 ~ +0.99
Total Harmonic Distortion	$\leq$ 3% @ rated power
AC Side (off-grid)	
Nominal Output Power (kW)	125
Nominal Voltage (V)	400
Frequency (Hz)	50 / 60
Basic Parameter	
Maximum Efficiency (%)	99
Working Temperature Range (°C)	-30 ~ 50 (>45 derating)
Humidity (%)	0 ~ 95, non-condensing
Altitude (m)	$\leq$ 3000 (>2000 derating)
Noise (dB)	$\leq$ 75
Structural Parameter	
Dimension (W*H*D) (mm)	520 x 240 x 680
Cooling Method	Forced air cooling
Housing Material	Metal
Mounting	Rack mounting / plug-in
Ingress Protection	IP20
Interface	
Communication Interface	485
Communication Protocol	Modbus TCP, Modbus RTU, CAN

Chiller Technical Specifications

Nominal voltage (Vac)	220
Nominal frequency (Hz)	50 / 60
Cooling capacity	5 kW @ 45°C ambient temperature, 18°C coolant output
Heating capacity (kW)	2
Working temperature (°C)	-30 ~ 55
Working humidity (%)	5 ~ 95
Storage temperature (°C)	-40 ~ 70
Storage humidity (%)	5 ~ 95
Flow rate	46.5 L/min @ 60 kPa
Transport performance	can adapt to land transport, air transport and sea transport
Dimension (W*D*H) (mm)	700 x 900 x 245
Liquid coolant	50% Glycol aqueous solution
Ingress protection	IPX5



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