



CX-261

C&I All-in-One Energy Storage System



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	728-936 Vdc
Nominal voltage	400 Vac
System configuration	1P260S
Rated power	135 kW
System nominal energy	261 kWh
Dimensions (L*W*H)	1120*1350*2420mm(Including the height of the vent plate)
Weight	2600 kg
Protection degree	IP55
Operating temperature range	-30 °C – 50 °C (>45 °C derating)
Humidity	≤95% (no condensation)
Altitude	≤3000 m (>2000 m derating)
Cooling method	PCS air cooling + battery liquid cooling
Fire suppression system	aerosol
Communication interface	RS485 / Ethernet (reserved)
Communication protocol	Modbus / MQTT (supports protocol customization)
Cell parameter	
Rated capacity	314 Ah
Rated energy	1004.8 Wh
Dimension	71.95*174.8*207.1 mm
Pack parameters	
Configuration	1P52S
Nominal voltage	166.4 Vdc
Nominal energy	52.2 kWh
Dimension	800*1152*237 mm
Weight	Approx. 340 kg
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, 135 kW
Battery control box	1 set
EMU	1 set

PCS Technical Specifications

DC Side	
Operating voltage range	600 – 1000 V
Full load voltage range	630~950V
Rated direct current	198A
AC Side (on-grid)	
Nominal output power	135 kW
Nominal current	180 A
Nominal grid voltage	400 V (three phase four wire)
Grid frequency	50 / 60 Hz
Power factor	-0.99 – +0.99
Total harmonic distortion	≤3% @rated power
AC Side (off-grid)	
Nominal output power	135 kW
Nominal voltage	400 V
Frequency	50 / 60 Hz
Basic Parameter	
Maximum efficiency	99%
Operating temperature range	-30 °C – 50 °C (>45 °C derating)
Humidity	0-95%, non-condensing
Altitude	≤3000 m (>2000 m derating)
Noise	≤75 dB
Structural Parameter	
Dimension (W*H*D)	540*240*680 mm
Cooling method	Forced air cooling
Housing material	Metal
Mounting	Rack mounting / plug-in
Ingress protection	IP20
Interface	
Communication interface	RS485, RJ45, CAN
Communication protocol	Modbus TCP, Modbus RTU, CAN

Chiller Technical Specifications

Nominal voltage	220 Vac
Nominal frequency	50 Hz
Cooling capacity	5 kW @45°C ambient temperature, 18°C coolant output
Heating capacity	2 kW
Working temperature	-30 °C – 55 °C
Working humidity	5-95%
Storage temperature	-40 °C – 70 °C
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)	700*900*245 mm
Liquid coolant	50% Glycol aqueous solution
Ingress protection	IPX5



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