

Commercial & industrial storage

SX-CI-LC261

Featured configuration • SX-CI-LC261

Rated Capacity

261 kWh

Rated AC Power

125 kW

IP Rating

lP54

Cooling Method

Liquid cooling

Models

SX-CI-LC261

Cell type

LFP / 314 Ah

Technical specifications



SX-CI-LC261



SX-CI-LC261 | PV-storage version

Parameter	SX-CI-LC261	SX-CI-LC261 | PV-storage version
Battery		
Models	SX-CI-LC261	SX-CI-LC261 | PV-storage version
Battery ratings		
Cell type	LFP / 314 Ah	—
Battery Configuration	1P52S	—
Rated voltage	832 V	—
Battery Voltage Range	728 V - 936 V	—
Rated Capacity	261 kWh	—
AC side | on-grid		
Rated AC Power	125 kW	—
Rated AC Voltage	3L/N/PE, 230/400 V	—
Rated AC Current	180 A	—
Nominal Frequency	50 / 60 Hz	—
Frequency Range	50 / 60 Hz ± 2.5 Hz	—
Max. THD of Current	< 3 % (Nominal power)	—
Power factor	-1 leading ~ 1 lagging	—

Technical specifications

Parameter	SX-CI-LC261	SX-CI-LC261 | PV-storage version
AC side | off-grid		
Rated AC Voltage	3L/N/PE, 230/400 V	—
Rated AC Current	180 A	—
Nominal Frequency	50 / 60 Hz	—
Max.THD of Voltage	< 3 % (Linear load)	—
Unbalance Load Capacity	100%	—
General data		
Dimensions (W × D × H)	1060×1400×2400 mm	—
Weight	2.6t	—
IP Rating	IP54	—
Anti-corrosion Degree	C4 (Default) / C5 (Optional)	—
Operating humidity range	0 ~ 100%	—
Operating temperature range	-30 ~ 55°C (> 45 °C derating)	—
Max Operating Altitude	3000 m	—
Cooling Method	Liquid cooling	—
Noise	⩽70 dB	—
Fire Suppression System	Smoke detector, Heat detector, Alarm sounder, Aersol, Sprinkler	—
Communication Interface	Ethernet / Wi-Fi / 4G	—
Communication Protocol	Modbus TCP	—
Standard	IEC 62619, IEC60730, IEC 63056, IEC 62477, IEC 61000, UN 38.3	—
System		
Rated energy capacity	—	261 kWh
Max. cycle rate	—	0.5 P
Max. cycle efficiency	—	90%
Usable energy capacity	—	235 kWh
Dimensions (W × D × H)	—	1500 × 1400 × 2250 mm
Dimensions (without inverter) (W × D × H)	—	1060 × 1400 × 2250 mm
Weight	—	2500 kg (Cabinet) + 170 kg (Inverter)
Operating temperature range	—	-25 ~ +55°C
Storage temperature range	—	0 ~ +40°C
Operating humidity range	—	⩽95% (non-condensing)
Max Operating Altitude	—	3000 m

Technical specifications

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System temperature control mode	—	Liquid-cooling (Pack); Intelligent fan-cooling (Inverter)
Fire suppression mode	—	Default: Aerosol, Explosion relief valve, Fire water inlet Optional: Flammable gas detector, Explosion relief panel, Explosion-proof exhaust fan, Audible and visual alarm
Ingress protection	—	IP54 (Cabinet) + IP66 (Inverter)
Anti-corrosion class (Battery)	—	C4/C5 (Optional)
Anti-corrosion class (Inverter)	—	C5
Noise (rated operating condition)	—	75 dB @ 1 m
Lightning protection	—	Type II (AC port), Type II (PV&Battery)
Protection mode	—	Anti-islanding protection, residual current detection, insulation resistance detection, AC overcurrent protection, and AC cable connection protection
Certification standards	—	IEC62619, IEC61000-6/2/4, IEC62040, IEC63056, IEC62477, UN38.3
Battery		
Cell type	—	LFP 3.2 V / 314 Ah
Cell cycle life	—	8000
System battery configuration	—	1P260S
Rated voltage	—	832 V
Operating voltage range	—	728 ~ 936 V
Rated DC current	—	157 A
Number of battery packs	—	5
Battery pack capacity	—	52.25 kWh
Battery pack weight	—	350 kg
Inverter		
Inverter model	—	S6-EH3P125K10-NV-YD-H
Rated output power	—	125 kW
Max. apparent output power@On-grid	—	125 kVA
Rated grid voltage	—	3/N/PE, 220 V / 380 V; 3/N/PE, 230 V / 400 V
Rating grid frequency	—	50 Hz / 60 Hz
AC grid frequency range	—	45 - 55 Hz / 55-65 Hz
Rated output current	—	189.9 A / 180.4 A
Max. apparent output power@Off-grid	—	1.6 times of rated power, 200 ms
Back-up switch time	—	< 10ms

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Power factor	—	> 0.99 (0.8 leading - 0.8 lagging)
THDi / THDv (@linear load)	—	<2% / < 3%
Max. usable PV Input Power	—	250 kW
Recommended max. PV array size	—	250 kW
Max. input voltage	—	1000 V
Rated voltage	—	600 V
Start-up voltage	—	180 V
MPPT voltage range	—	150 - 950 V
Max. input current	—	10*42A
Max. short circuit current	—	10*60A
MPPT number / Max. input strings number	—	10/20
Communication	—	CAN, RS485-115200, Ethernet, Optional: Wi-Fi, Cellular, LAN Optional: Wi-Fi, Cellular

Notes

UN38.3 and MSDS are not evidence of EU whole-system market access.

The SX-CI-LC261 | PV-storage version integrates a Solis S6-EH3P125K10-NV-YD-H inverter.

125 kW / 261 kWh liquid-cooled energy storage cabinet

Target markets: Europe, Africa, Latin America excluding Brazil, Southeast Asia.

FOB China, or from European stock by volume for European orders.