



Tech Specs - sonnenBatterie ecoLinX

The sonnenBatterie ecoLinX is an intelligent energy storage solution that seamlessly integrates with smart home automation systems, including Crestron and Control4, to power your home with clean energy – managing your energy usage throughout the day, providing instantaneous backup power in case of a grid outage and enabling you to power your smart home with solar energy, day and night.

	ecoLinX 10	ecoLinX 12	ecoLinX 14	ecoLinX 16	ecoLinX 18	ecoLinX 20
Usable capacity (100% DOD)	10 kWh	12 kWh	14 kWh	16 kWh	18 kWh	20 kWh
Nominal power rating (at 25 deg C)	7 kW	8 kW	8 kW	8 kW	8 kW	8 kW
Weight (approximate)	622 lbs	683 lbs	741 lbs	800 lbs	890 lbs	950 lbs
Dimensions W"/H"/D" (approximate)	26/75/14			26/83/14		

Off-grid specification

Continuous AC output current	28 A	30 A	30 A	30 A
Max power	100ms – 17 KVA 5 s – 12 KVA 30 m – 9 KVA			
Max AC current (charge/ discharge)	1 ms – 100 A 100 ms – 70.7 A 5 s – 50 A 30 m – 37.5 A			

General specification

Grid integration	AC coupled
Applications	On-grid: self-consumption, backup power
Transfer switch	Automatic, integrated
Backup capacity	2 kilowatt-hours per battery module, up to 20kWh
Listed and recognized components	Certified to UL 9540, UL 1741 (inverter) and UL 1973 (batteries) standards**
Warranty*	15 year or 15,000 cycle system warranty - includes inverter, battery modules, cabinet and components
Inverter efficiency	92.5% CEC weighted, 95.0% peak
Roundtrip efficiency % (Grid<>Battery)	>= 86%
Temperature Range	41 °F - 113 °F
Ventilation	Forced Air
Comm. ports	Serial, Ethernet
Communication and control standards	Control4 and Crestron drivers included
EMC / EMI protection	FCC Part 15B

Transfer switch specification

Current rating	200 amps switching and overcurrent protection
Voltage rating	120/240 VAC
Certification	UL Recognized Component
Transfer Time	< 70 ms
Nominal frequency	60 Hz

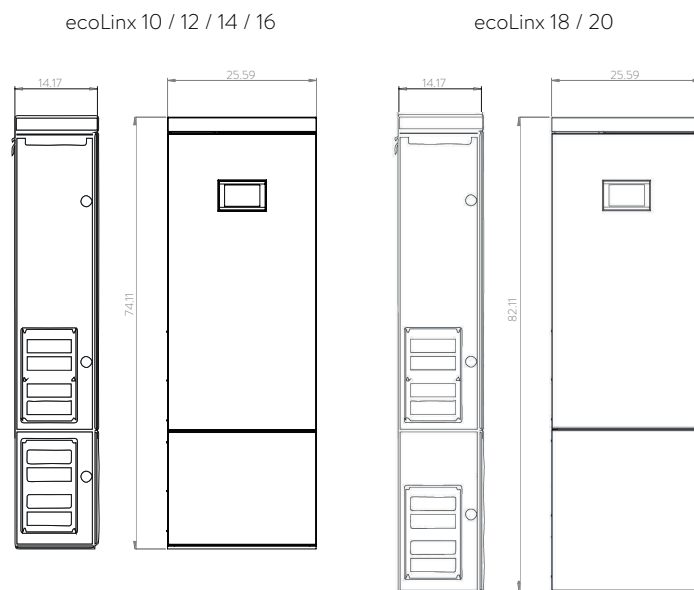
Battery Specification

DC battery input voltage	48-56 VDC
Max charge current	40 A per module
Nominal charge current	30 A per module
Cell discharge	95% DoD
Overcharge Protection	Fuse protection

AC specification

AC grid voltage	120/240 volts
Max AC grid current	30 amps
Nominal frequency	60 Hz
Adjustable frequency range	+/- 0.7 Hz from nominal
Metering capability	Power meter for load and PV production (not revenue grade)
Tare losses (W)	60 watts
Transient protection	IEEE C62.41 Class B

Measurements



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We reserve the right to make technical changes. The values, outputs, other technical data, images, and diagrams in this prospectus and in data sheets, advertisements, and other promotional documents are approximate guidelines in all cases where they have not been identified as binding.

*Please observe our applicable warranty conditions.

**The sonnenBatterie system is certified by ETL to UL 9540 standards and employs UL 1973 Recognized Batteries (Murata/Sony UL file MH48699/model number IJ1001M) and an inverter certified by ETL to UL 1741 standards.