



Tech Specs - sonnen ecoLinx 1.5

The sonnen ecoLinx is an intelligent energy storage solution that seamlessly integrates with leading smart home automation systems and controllable breakers to power your home with clean energy – managing your energy usage throughout the day, providing smart configurable backup power during grid outages and powering smart homes with solar energy, day and night.

| | ecoLinx 12 | ecoLinx 14 | ecoLinx 16 | ecoLinx 18 | ecoLinx 20 |
|--|------------|------------|------------|------------|------------|
| Usable Capacity (100% DOD)¹ | 12 kWh | 14 kWh | 16 kWh | 18 kWh | 20 kWh |
| Nominal power rating (off-grid output at 25 deg C) | 8 kW | 8 kW | 8 kW | 8 kW | 8 kW |
| Nominal power rating (grid-tied output at 25 deg C) | 7 kW | 7 kW | 7 kW | 7 kW | 7 kW |
| Weight (approximate) | 724 lbs | 777 lbs | 830 lbs | 883 lbs | 936 lbs |
| Dimensions W”/H”/D” (approximate) | 26/84/19 | | | | |

Off-grid Specification

| | |
|--|--|
| Continuous AC output current | 33.33 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 |

System Applications

| | |
|---------------------------|--|
| Applications | Self-consumption Backup power Time-of-use Energy automation |
| Energy Automation* | Smart configurable backup power Smart demand control / Load management Smart weather forecasting integration |

* Energy automation with ecoLinx may require the purchase of additional equipment. Check with your local sonnen certified installer for compatible smart home devices. Available features and functionality may vary based on your chosen home automation platform.

General Specification

| | |
|---|--|
| Grid integration | AC coupled |
| Transfer switch | Automatic, integrated |
| Usable capacity | 2 kWh per battery module, up to 10 modules |
| Listed and recognized components | System certified – UL9540; Battery modules – UL1973; Inverter – UL1741; Transfer switch – UL1008; AC Breaker – UL489 |
| Warranty² | 15 year or 15,000 cycle system warranty – includes inverter, battery modules, cabinet and components |
| Roundtrip efficiency³ (AC / AC) | Maximum round-trip efficiency of 81.6% |
| Temperature range | 41 °F - 113 °F |
| Ventilation/Noise | Forced Air / <70DBA |
| Comm. ports | Ethernet |
| Communication protocols / Control | SunSpec Alliance / API available to select partners |
| Enclosure rating | NEMA 12 |
| EMC / EMI protection | FCC Part 15B |
| Device Protection | Short-circuit, Overload, Over-heating |
| Over-current Protection | 50 A |
| Total harmonic distortion | <5% L1-L2 & <2% L-N |

AC Specification

| | |
|-----------------------------------|---|
| AC grid voltage | 120/240 VAC (Split phase) |
| Max AC grid current | 29 amps |
| Nominal frequency | 60 Hz |
| Adjustable frequency range | +/- 0.7 Hz from nominal |
| Metering capability | Power meters for load and PV production (not revenue grade) |
| Tare losses (W) | 60 watts |
| Transient protection | IEEE C62.41 Class B |

Battery Specification

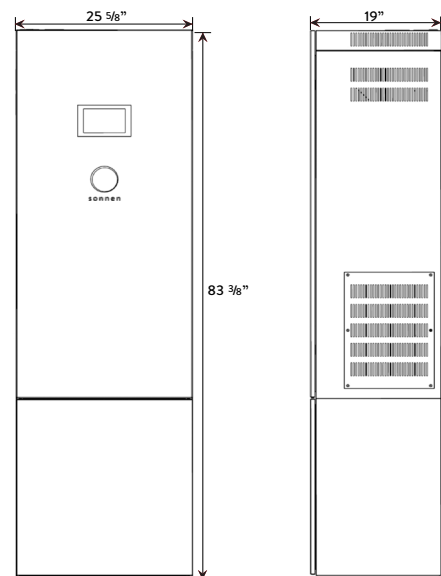
| | |
|---------------------------------|--------------------------|
| DC battery input voltage | 44.5–53.5 VDC |
| Max charge current | 50 A per module |
| Cell discharge | 2.0 kWh with 100% DoD |
| Overcharge Protection | MOSFET & Fuse protection |



Transfer Switch Specification

| | |
|--------------------------|---|
| Current rating | 200 amps switching & overcurrent protection |
| Voltage rating | 120/240 VAC |
| Certification | UL recognized component |
| Transfer time | < 100 ms |
| Nominal frequency | 60 Hz |

Measurements



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.

1 The ecolinx Ndure battery modules are 2.5kWh in total capacity and represent 2kWh of usable capacity per module.

2 Please observe our applicable warranty conditions.

3 Based on full system AC/AC RTE “round-trip efficiency” at ambient temperature of 25°C (77°F), beginning of life in off-grid mode and at 50% symmetric charge/discharge rate. Testing conducted by sonnen Inc. R&D. Backup data available on request.

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(310) 853-2404



Tech Specs - sonnen ecoLinx 30

The sonnen ecoLinx is an intelligent energy storage solution that uses the safest, longest-lasting batteries and integrates with solar to power your home and keep the lights on with cleaner energy. ecoLinx 30 has the ability to pair with leading home automation systems and controllable breakers to provide you with the ultimate smart home – managing your household energy usage throughout the day, providing smart configurable backup power during grid outages and powering smart devices with solar energy, day and night.

| | |
|--|----------|
| Usable Capacity (100% DOD)¹ | 30 kWh |
| Nominal power rating (off-grid output at 25 deg C) | 8 kW |
| Nominal power rating (grid-tied output at 25 deg C) | 7 kW |
| Weight (approximate) | 1253 lbs |
| Dimensions W"/H"/D" (approximate) | 52/61/19 |

Off-grid Specification

| | |
|--|--|
| Continuous AC output current | 33.33 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 |

System Applications

| | |
|---------------------------|--|
| Applications | Self-consumption Backup power Time-of-use Energy automation |
| Energy Automation* | Smart configurable backup power Smart demand control / Load management Smart weather forecasting integration |

* Energy automation with ecoLinx 30 may require the purchase of additional equipment. Check with your local sonnen certified installer for compatible smart home devices. Available features and functionality may vary based on your chosen home automation platform.

General Specification

| | |
|---|--|
| Grid integration | AC coupled |
| Transfer switch | Automatic, integrated |
| Usable capacity | 2 kWh per battery module, up to 15 modules |
| Listed and recognized components | System certified – UL9540; Battery modules – UL1973; Inverter – UL1741; Transfer switch – UL1008; AC Breaker – UL489 |
| Warranty² | 15 year or 15,000 cycle system warranty – includes inverter, battery modules, cabinet and components |
| Roundtrip efficiency³ (AC / AC) | Maximum round-trip efficiency of 81.6% |
| Temperature range | 41 °F - 113 °F |
| Ventilation/Noise | Forced Air / <70DBA |
| Comm. ports | Ethernet |
| Communication protocols / Control | SunSpec Alliance / API available to select partners |
| Enclosure rating | NEMA 12 |
| EMC / EMI protection | FCC Part 15B |
| Device Protection | Short-circuit, Overload, Over-heating |
| Over-current Protection | 50 A |
| Total harmonic distortion | <5% L1-L2 & <2% L-N |

AC Specification

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|-----------------------------------|---|
| AC grid voltage | 120/240 VAC (Split phase) |
| Max AC grid current | 29 amps |
| Nominal frequency | 60 Hz |
| Adjustable frequency range | +/- 0.7 Hz from nominal |
| Metering capability | Power meters for load and PV production (not revenue grade) |
| Tare losses (W) | 60 watts |
| Transient protection | IEEE C62.41 Class B |

Battery Specification

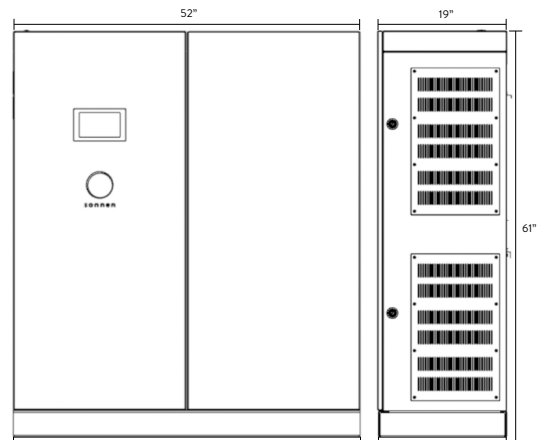
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|---------------------------------|--------------------------|
| DC battery input voltage | 44.5–53.5 VDC |
| Max charge current | 50 A per module |
| Cell discharge | 2.0 kWh with 100% DoD |
| Overcharge Protection | MOSFET & Fuse protection |



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