

SunPower® X21-335-BLK-C-AC | Residential AC Module Series

Design-Driven Advantages

- #1 module aesthetics and efficiency¹
- Unmatched module reliability²
- No electrolytic capacitors
- 25-year Combined Power and Product Warranty

Maximize Value for Roof

- Size system for roof, not string inverter
- Optimize performance of each module

Expand Deployment Options

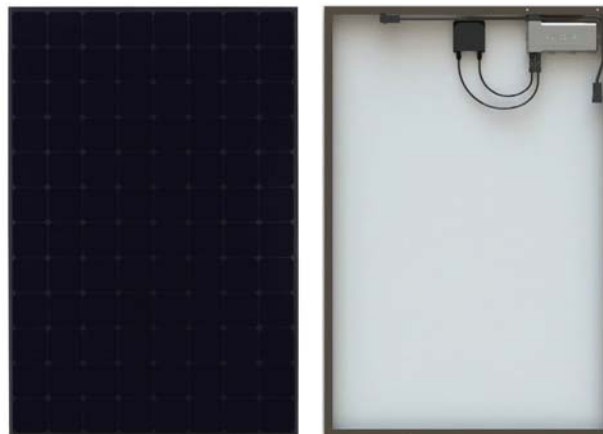
- Complex roofs and partial shading
- Small systems
- System expandability

Simplify & Speed Installation

- Factory-integrated microinverter
- Robust, double-locking AC connectors
- Design flexibility offsite and onsite
- No DC string sizing process
- Fewer installation steps than competing systems
- Intuitive commissioning

Component of Complete System

- Built for use with SunPower® InvisiMount™ and the SunPower Monitoring System
- Superior system reliability and aesthetics



Optimize System and Installation Efficiency

SunPower® AC Modules, which include a factory-integrated SunPower microinverter, provide a revolutionary combination of high efficiency, high reliability, and module-level DC-to-AC power conversion. Designed specifically for use with SunPower InvisiMount™ and the SunPower Monitoring System, SunPower AC Modules enable rapid installation, best-in-class system aesthetics, and intuitive visibility into system performance. All this comes with the best Combined Power and Product Warranty.

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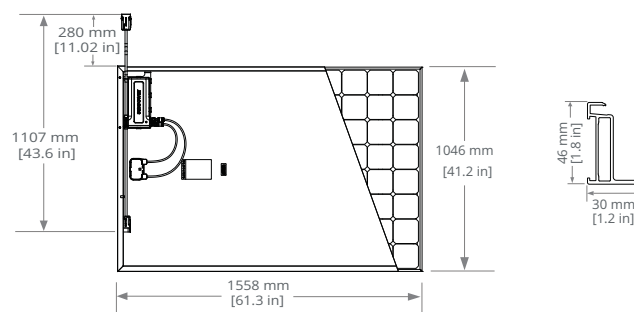
| Power Data | | |
|--|---|----------------------|
| | SPR-X21-335-BLK-C-AC | SPR-X20-327-BLK-C-AC |
| Nominal Power ³ (P _{nom}) | 335 W | 327 W |
| Power Tolerance | +5/-0% | +5/-0% |
| Avg. Panel Efficiency ⁴ | 21.0% | 20.4% |
| Temp. Coef. (Power) | -0.30%/°C | |
| Shade Tolerance | <ul style="list-style-type: none"> • Three bypass diodes • Integrated module-level maximum power point tracking | |

| AC Electrical Data | |
|--|-------------------|
| Output @ 240 V (min./nom./max.) | 211/240/264 V |
| Output @ 208 V (min./nom./max.) | 183/208/229 V |
| Operating Frequency (min./nom./max.) | 59.3/60.0/60.5 Hz |
| Output Power Factor (min.) | 0.99 |
| AC Max. Continuous Output Current @ 240 V | 1.33 A |
| AC Max. Continuous Output Current @ 208 V | 1.54 A |
| AC Max. Cont. Output Power | 320 W |
| DC/AC CEC Conversion Efficiency | 96.0% |
| Max. Units Per 20 A Branch Circuit @ 240 V | 12 (single phase) |
| Max. Units Per 20 A Branch Circuit @ 208 V | 10 (two pole) |

| Tested Operating Conditions | |
|-----------------------------|--|
| Operating Temp. | -40° F to +185° F (-40° C to +85° C) |
| Max. Ambient Temp. | 122° F (50° C) |
| Max. Load | Wind: 62 psf, 3000 Pa, 305 kg/m ² front & back Snow: 125 psf, 6000 Pa, 611 kg/m ² front |
| Impact Resistance | 1 inch (25 mm) diameter hail at 52 mph (23 m/s) |

| Mechanical Data | |
|---------------------------------|---|
| Solar Cells | 96 Monocrystalline Maxeon® Gen III |
| Front Glass | High-transmission tempered glass with anti-reflective coating |
| Environmental Rating | Outdoor rated |
| Frame | Class 1 black anodized (highest AAMA rating) |
| Weight | 45.5 lbs (20.6 kg) |
| Max. Recommended Module Spacing | 1.3 in. (33 mm) |

| Warranties and Certifications | |
|-------------------------------|--|
| Warranties | <ul style="list-style-type: none"> • 25-year limited power warranty • 25-year limited product warranty |
| Certifications | <ul style="list-style-type: none"> • UL 1741, including compliance with applicable requirements of IEEE 1547 and IEEE 1547.1 • FCC and ICES-003 Class B • AC module Type 2 Fire Rated • UL 2703 Listed when installed with InvisiMount™ • Class A Fire Rated when installed with InvisiMount™ and when distance between roof surface and bottom of SunPower module frame is ≤ 3.5" (8.89 cm) • Alternating Current (AC) Module designation enables installation in accordance with NEC 690.6 |
| PID Test | Potential-induced degradation free |



¹Highest of over 3,200 silicon solar panels, Photon Module Survey, Feb. 2014

²#1 rank in "PV Module Durability Initiative Public Report," Fraunhofer CSE, Feb 2013. Five out of the top eight largest manufacturers were tested. Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, Feb 2013. See www.sunpower.com/facts for details.

³Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25° C). NREL calibration standard: SOMS current, LACCS FF and voltage. All DC voltage is fully contained within the module.

⁴Based on average of measured power values during production.

See www.sunpower.com/facts for more reference information.
For more details, see extended datasheet: www.sunpower.com/datasheets.

Please read the safety and installation instructions for details.

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