

X-Series: X21-350-BLK | X21-335-BLK | X20-327-BLK

SunPower® Residential AC Module

Built specifically for use with the SunPower Equinox™ system, the only fully integrated solution designed, engineered and warranted by one manufacturer.



Maximum Power. Minimalist Design.

Industry-leading efficiency means more power and savings per available space. With fewer modules required and hidden microinverters, less is truly more.



Highest Lifetime Energy and Savings.

Designed to deliver 60% more energy over 25 years in real-world conditions like partial shade and high temperatures.¹

Fundamentally Different. And Better.



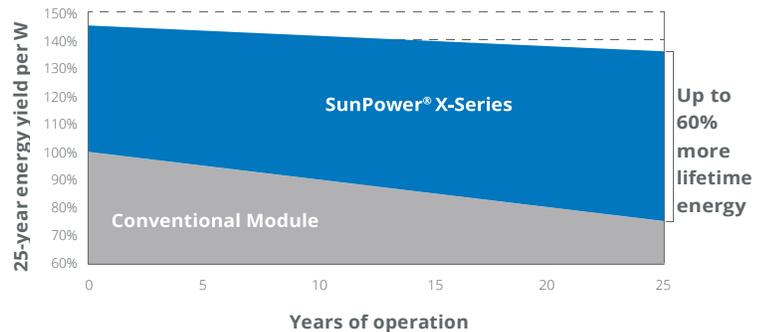
The SunPower® Maxeon® Solar Cell

- Enables highest-efficiency modules available.²
- Unmatched reliability³
- Patented solid metal foundation prevents breakage and corrosion



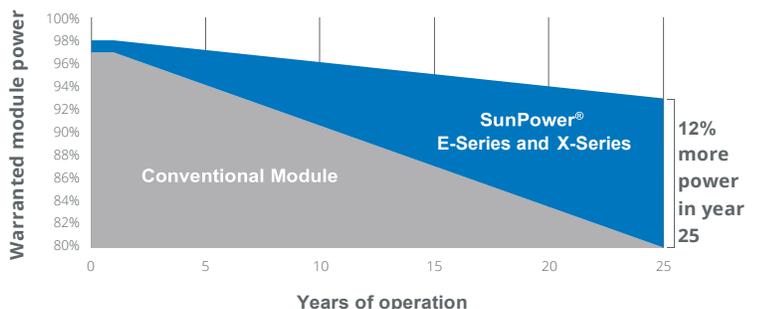
Factory-integrated Microinverter

- Simpler, faster installation
- Integrated wire management, rapid shutdown
- Engineered and calibrated by SunPower for SunPower modules



Best Reliability. Best Warranty.

With more than 25 million modules deployed around the world, SunPower technology is proven to last. That's why we stand behind our module and microinverter with the industry's best 25-year Combined Power and Product Warranty, including the highest Power Warranty in solar.



| AC Electrical Data | |
|---------------------------------------------------------|----------------------|
| Inverter Model: Type E (IQ 7XS) | @240 VAC |
| Peak Output Power | 320 VA |
| Max. Continuous Output Power | 315 VA |
| Nom. (L-L) Voltage/Range ² (V) | 240 / 211–264 |
| Max. Continuous Output Current (A) | 1.31 |
| Max. Units per 20 A (LL) Branch Circuit ³ | 12 (single phase) |
| CEC Weighted Efficiency | 97.5% |
| Nom. Frequency | 60 Hz |
| Extended Frequency Range | 47–68 Hz |
| AC Short Circuit Fault Current Over 3 Cycles | 5.8 A rms |
| Overvoltage Class AC Port | III |
| AC Port Backfeed Current | 18 mA |
| Power Factor Setting | 1.0 |
| Power Factor (adjustable) | 0.7 lead. / 0.7 lag. |
| No active phase balancing for three-phase installations | |

| DC Power Data | | | |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|
| | X21-350-BLK-E-AC | X21-335-BLK-E-AC | X20-327-BLK-E-AC |
| Nom. Power ⁵ (Pnom) | 350 W | 335 W | 327 W |
| Power Tol. | +5/-0% | +5/-0% | +5/-0% |
| Module Efficiency | 21.5% | 21.0% | 20.4% |
| Temp. Coef. (Power) | -0.29%/°C | -0.29%/°C | -0.29%/°C |
| Shade Tol. | <ul style="list-style-type: none"> • Three bypass diodes • Integrated module-level maximum power point tracking | | |

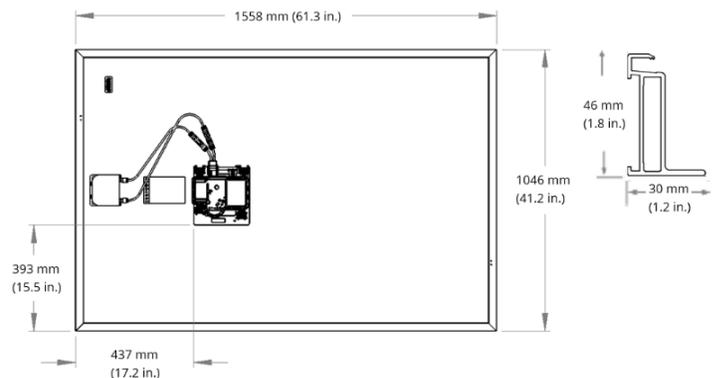
| Tested Operating Conditions | |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| Operating Temp. | -40°F to +185°F (-40°C to +85°C) |
| Max. Ambient Temp. | 122°F (50°C) |
| Max. Test Load ⁷ | Wind: 154 psf, 7400 Pa, 754 kg/m ² back Snow: 208 psf, 10000 Pa, 1019 kg/m ² front |
| Design Load | Wind: 62 psf, 3000 Pa, 305 kg/m ² 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 | 42.9 lbs (18.5 kg) |
| Recommended Max. Module Spacing | 1.3 in. (33 mm) |

1 SunPower 360 W compared to a conventional module on same-sized arrays (260 W, 16% efficient, approx. 1.6 m²), 4% more energy per watt (based on third-party module characterization and PVSim), 0.75%/yr slower degradation (Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, 2013).
 2 Based on search of datasheet values from websites of top 10 manufacturers per IHS, as of January 2017.
 3 #1 rank in "Fraunhofer PV Durability Initiative for Solar Modules: Part 3," PV Tech Power Magazine, 2015. Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, 2013.
 4 Factory set to 1547a-2014 default settings. CA Rule 21 default settings profile set during commissioning.
 5 Standard 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.
 6 This product is UL Listed as PVRSE and conforms with NEC 2014 and NEC 2017 690.12; and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors; when installed according to manufacturer's instructions.
 7 Please read the safety and installation instructions for more information regarding load ratings and mounting configurations.

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| Warranties, Certifications, and Compliance | |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warranties | <ul style="list-style-type: none"> • 25-year limited power warranty • 25-year limited product warranty |
| Certifications and Compliance | <ul style="list-style-type: none"> • UL 1703 • UL 1741 / IEEE-1547 • UL 1741 AC Module (Type 2 fire rated) • UL 62109-1 / IEC 62109-2 • FCC Part 15 Class B • ICES-0003 Class B • CAN/CSA-C22.2 NO. 107.1-01 • CA Rule 21 (UL 1741 SA)⁴ (includes Volt/Var and Reactive Power Priority) • UL Listed PV Rapid Shutdown Equipment⁶ <p>Enables installation in accordance with:</p> <ul style="list-style-type: none"> • NEC 690.6 (AC module) • NEC 690.12 Rapid Shutdown (inside and outside the array) • NEC 690.15 AC Connectors, 690.33(A)-(E)(1) <p>When used with InvisiMount racking and InvisiMount accessories (UL 2703):</p> <ul style="list-style-type: none"> • Module grounding and bonding through InvisiMount • Class A fire rated <p>When used with AC module Q Cables and accessories (UL 6703 and UL 2238)⁶:</p> <ul style="list-style-type: none"> • Rated for load break disconnect |
| PID Test | Potential-induced degradation free |



Module Fire Performance: Type 2



Please read the Safety and Installation Instructions for details.

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