

SunPower® Panel and Conventional Panel Comparison

Find the right panel for your needs



	Conventional Panel ¹ non-SunPower	SunPower® E20	SunPower® Signature™ Black X21	SunPower® X21	SunPower® X22
	The average residential solar panel available today.	E20-327-C-AC Delivers more power and savings than conventional panels, at a great value.	X21-335-BLK-C-AC Premium aesthetic that blends harmoniously into a variety of architectural styles.	X21-345-C-AC Traditional design meets outstanding power, efficiency and value.	X22-360-C-AC Our highest performing panels with unrivaled efficiency among panels available. ²
STYLE	White Backing w/ Grid Lines	White Backing w/ Anti-Reflective Glass	SunPower® Signature™ Black w/ Anti-Reflective Glass	White Backing w/ Anti-Reflective Glass	White Backing w/ Anti-Reflective Glass
ENERGY PRODUCTION OVER TIME					
PANELS FOR 8KW SYSTEM	32 panels	25 panels	24 panels	24 panels	23 panels
EFFICIENCY RATING ³	16%	20.4%	21.0%	21.5%	22.2%
POWER PRODUCED ⁴	260 W	327 W	335 W	345 W	360 W
INVERTER	Sold separately, wall mounted box	Microinverter built into panel			
WARRANTY	25 Year Power 10 Year Product 0 Year Labor	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <ul style="list-style-type: none"> 25 Year Power 25 Year Product 25 Year Labor </div>			

1. Conventional Panel as referenced throughout is a solar panel with 260W, 16% efficient, approx 1.6m2.

2. Based on a search of datasheet values from websites of top 10 manufacturers per IHS, as of January 2017.







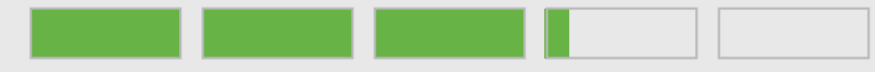







3. Based on average of measured power values during production.

4. 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.

SunPower® E20 Panels

More energy from less space.

SunPower® E20 panels convert more sunlight into electricity than conventional panels, producing up to 45% more energy from the same space over the first 25 years.¹ As a result, you save more on your electricity bill and require fewer panels to meet your daily needs—leaving space to add more panels later.

STYLE	 White Backing w/ Anti-Reflective Glass
 ENERGY PRODUCTION OVER TIME	
 PANELS FOR 8KW SYSTEM	 25 panels
 EFFICIENCY RATING ²	 20.4%
 POWER PRODUCED ³	 327 W
 INVERTER	Microinverter built into panel
 WARRANTY	 25 Year Power  25 Year Product  25 Year Labor The most comprehensive warranty in the industry.

1. SunPower 327 W compared to a Conventional Panel (260W, 16% efficient, approx. 1.6m²), 3% more energy per watt (based on PVsyst pan files), 0.75%/yr slower degradation. BEW/DNV Eng. "SunPower Yield Report," 2013. Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, 2013. See www.sunpowercorp.com/facts for details.

2. Based on average of measured power values during production.

3. 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.



Built-in microinverter eliminates the need for bulky, wall-mounted inverter boxes.









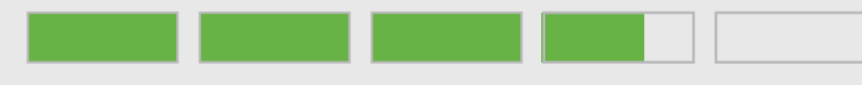







*The power you need,
with room to expand.*



SunPower® Signature™ Black X21 Panels

Unparalleled aesthetics meet uncompromising performance.

SunPower® Signature™ Black panels are designed to blend harmoniously into your roof, featuring a unique all-black solar cell design and anti-reflective glass. The premium aesthetic can accommodate a variety of architectural styles, while the high efficiency delivers more electricity (and savings) from a smaller area than conventional panels.

STYLE	 SunPower® Signature™ Black w/ Anti-Reflective Glass
 ENERGY PRODUCTION OVER TIME	
 PANELS FOR 8KW SYSTEM	 24 panels
 EFFICIENCY RATING ¹	 21.0%
 POWER PRODUCED ²	 335 W
 INVERTER	Microinverter built into panel
 WARRANTY	 25 Year Power  25 Year Product  25 Year Labor The most comprehensive warranty in the industry.



Built-in microinverter eliminates the need for bulky, wall-mounted inverter boxes.



Sleek black profile and no grid lines provide a clean, premium look.

















1. Based on average of measured power values during production.

2. 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.

SunPower® X21 Panels

Traditional design, extraordinary performance.

With one of the highest efficiency ratings available, SunPower® X21 panels require less space to provide the same amount of power as a conventional panel system. Position them on the sunniest parts of your roof to maximize production, and if your energy needs increase you'll have plenty of room to expand.

STYLE	 White Backing w/ Anti-Reflective Glass
 ENERGY PRODUCTION OVER TIME	
 PANELS FOR 8KW SYSTEM	 24 panels
 EFFICIENCY RATING ¹	 21.5%
 POWER PRODUCED ²	 345 W
 INVERTER	Microinverter built into panel
 WARRANTY	 25 Year Power  25 Year Product  25 Year Labor The most comprehensive warranty in the industry.

1. Based on average of measured power values during production.

2. 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.



Built-in microinverter eliminates the need for bulky, wall-mounted inverter boxes.







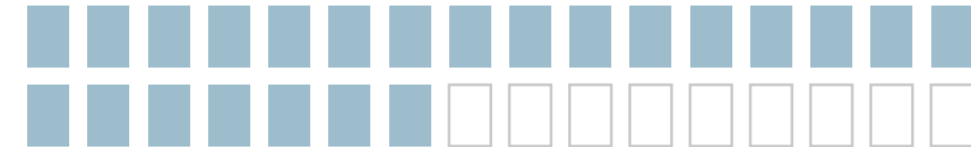

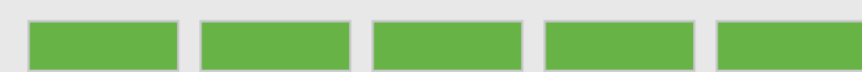







Innovative design delivers more power from fewer panels.



SunPower® X22 Panels

Unrivaled efficiency and power.

SunPower® X22 panels are our top-of-the-line option, delivering the highest efficiency solar panels available¹ without increasing the panel footprint. If you have a constrained roof space, high energy needs or simply want the best for your home, the SunPower X22 setup will provide you exceptional performance and long-term savings.

STYLE	 White Backing w/ Anti-Reflective Glass
 ENERGY PRODUCTION OVER TIME	
 PANELS FOR 8KW SYSTEM	 23 panels
 EFFICIENCY RATING ²	 22.2%
 POWER PRODUCED ³	 360 W
 INVERTER	Microinverter built into panel
 WARRANTY	 25 Year Power  25 Year Product  25 Year Labor The most comprehensive warranty in the industry.



Built-in microinverter eliminates the need for bulky, wall-mounted inverter boxes.



Compact design delivers our most energy per square foot.



1. Based on search of datasheet values from websites of top 10 manufacturers per IHS, as of January 2017.

2. Based on average of measured power values during production.

3. 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.

Why SunPower

Only SunPower delivers the industry-leading experience, innovation and design you demand to maximize your solar investment.

30+ years of experience

When it comes to solar, experience matters. SunPower is a stable leader and trusted partner, with more than three decades of experience delivering record-setting technologies and innovative solar solutions.

Superior aesthetics

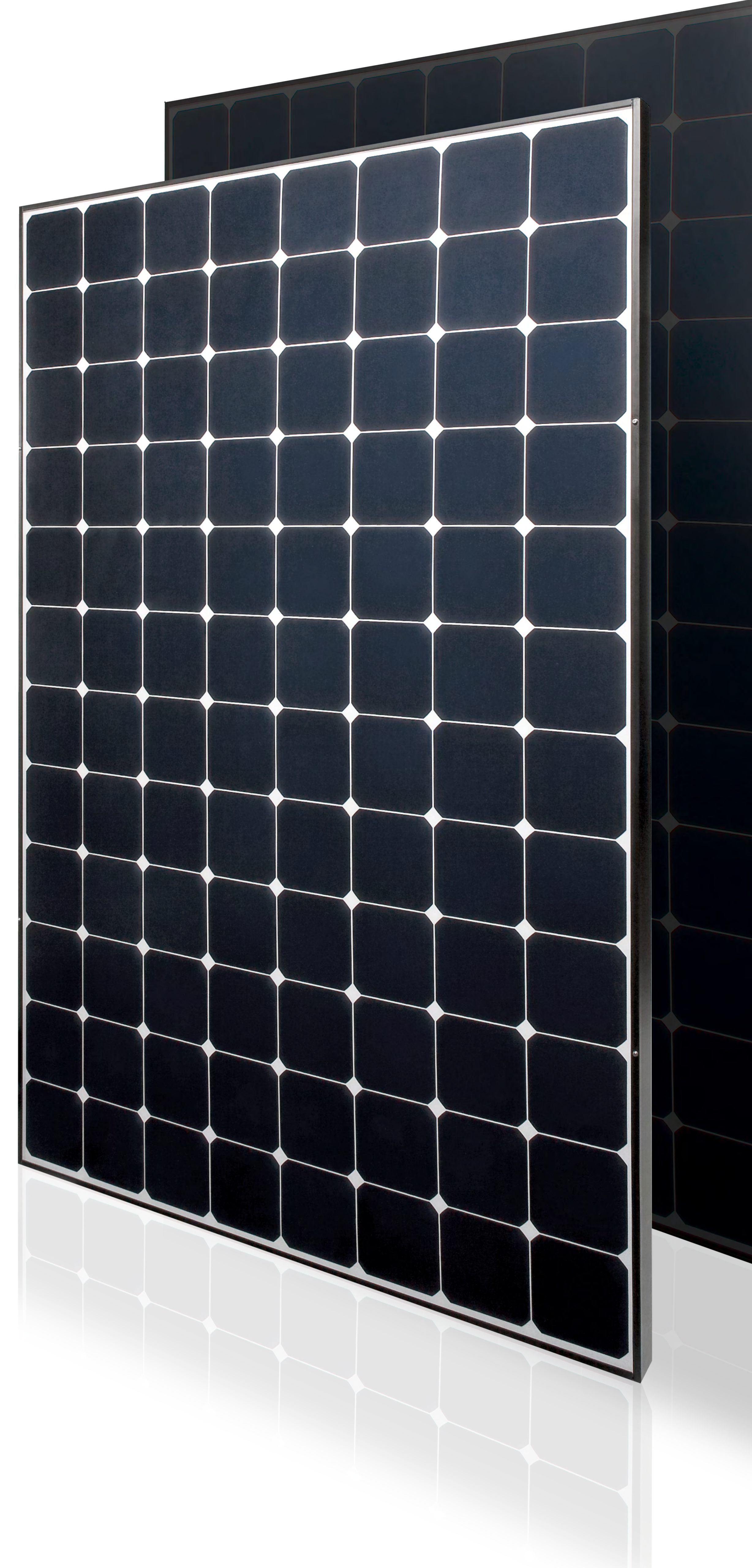
Solar panels are a part of your home, so you want them to look their best. SunPower® panels look great on any roof, while our sleek SunPower® Signature™ Black option complements a wide range of architectural styles. Our proprietary InvisiMount® mounting system is designed to be completely hidden.

Rated #1 in durability¹

From blistering heat to blustering storms, your roof is not the kindest environment. SunPower panels leverage the unique Maxison® solar cell design—featuring a solid copper foundation—to deliver unmatched reliability and peace of mind.

Efficiency that lasts

The more energy your panels produce—and the longer they keep producing—the more you'll save on electricity bills. Only SunPower panels deliver the highest panel efficiency available² and an expected useful life of 40 years.³



1. "Fraunhofer PV Durability Initiative for Solar Modules: Part 3," PVTech Power, 2015.

2. Based on a search of datasheet values from websites of top 10 manufacturers per IHS, as of January 2017.

3. "SunPower Module 40-Year Useful Life," SunPower white paper, 2013. Useful life is 99 out of 100 panels operating at more than 70% of rated power.