



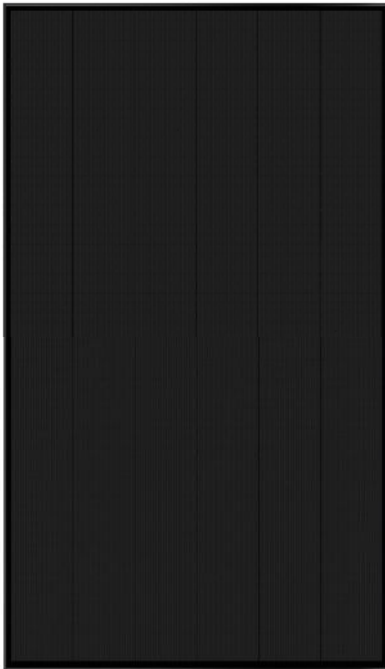
Shingled Cell



Black Backsheet  
Black Frame



Residential



## PERFORMANCE 3 BLK

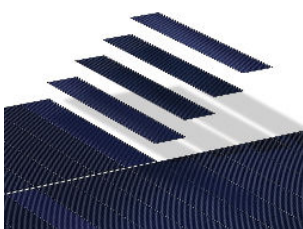
POWER RANGE: 315-335 W

With a sleek black design that elegantly blends into any roof, the third-generation SunPower Performance 3 panel combines enhanced warranty terms with an expanded active cell area that delivers increased power and efficiency over previous generation panels.

Backed by an industry-leading warranty and an estimated 35-year useful life,<sup>1</sup> SunPower Performance panels wrap conventional front contact cells with 35 years of materials, engineering and manufacturing expertise to mitigate the reliability challenges of Conventional Panel design.

### Engineered for Performance

- Smaller cells stay cooler when shaded, extending panel life<sup>4</sup>
- Proprietary encapsulant minimizes degradation from environmental exposure
- Conductive adhesive defends against daily temperature swings
- Redundant cell connections create flexible paths for continuous electricity flow



### Durability that Translates to More Energy

Engineered to stand up to environmental stresses such as shading, daily temperature swings and high humidity, the SunPower Performance 3 panel delivers up to 7% more energy in the same space over 25 years compared to Conventional mono PERC Panels.<sup>2</sup>

### A Track Record of Innovation Leadership

SunPower Performance panels represent the most deployed shingled cell panel in the industry—innovation protected by a growing portfolio of patents worldwide.<sup>3</sup>



4+ GW  
Deployed



60+  
Countries



90+  
Patents

### A Better Product. A Better Warranty.

Each SunPower Performance panel is manufactured with the confidence to deliver more energy and reliability over time—and backed for 25 years by the SunPower Complete Confidence Panel Warranty.

- Year 1 Minimum Warranted Power Output 98.0%
- Maximum Annual Degradation 0.45%
- Year 25 Minimum Warranted Power Output 87.2%

PERFORMANCE 3 BLK POWER: 315-335 W

Electrical Data					
Model	SPR-P3-335-BLK	SPR-P3-330-BLK	SPR-P3-325-BLK	SPR-P3-320-BLK	SPR-P3-315-BLK
Nominal Power (P <sub>nom</sub> ) <sup>5</sup>	335 W	330 W	325 W	320 W	315 W
Power Tolerance	+5/0%	+5/0%	+5/0%	+5/0%	+5/0%
Efficiency	19.9%	19.6%	19.3%	19.0%	18.7%
Rated Voltage (V <sub>mpp</sub> )	36.8 V	36.4 V	35.9 V	35.4 V	34.9 V
Rated Current (I <sub>mpp</sub> )	9.11 A	9.07 A	9.05 A	9.04 A	9.03 A
Open-Circuit Voltage (V <sub>oc</sub> ) (+/-3%)	44.2 V	43.9 V	43.6 V	43.1 V	42.5 V
Short-Circuit Current (I <sub>sc</sub> ) (+/-3%)	9.76 A	9.72 A	9.69 A	9.68 A	9.66 A
Maximum System Voltage	1000 V IEC				
Maximum Series Fuse	18 A				
Power Temp. Coef.	-0.34% / °C				
Voltage Temp. Coef.	-0.28% / °C				
Current Temp. Coef.	0.06% / °C				

Tests And Certifications	
Standard Tests <sup>6</sup>	IEC 61215, IEC 61730
Quality Certs	ISO 9001:2008, ISO 14001:2004
EHS Compliance	OHSAS 18001:2007, Recycling Scheme
Ammonia Test	IEC 62716
Desert Test	MIL-STD-810G
Salt Spray Test	IEC 61701 (maximum severity)
PID Test	IEC 62804
Available Listings	TUV

Operating Condition And Mechanical Data	
Temperature	-40°C to +85°C
Impact Resistance	25 mm diameter hail at 23 m/s
Solar Cells	Monocrystalline PERC
Tempered Glass	High-transmission tempered anti-reflective
Junction Box	IP-67, Stäubli MC4, 3 bypass diodes
Weight	18.1 kg
Max. Load	Wind: 2400 Pa, 245 kg/m <sup>2</sup> front & back Snow: 5400 Pa, 550 kg/m <sup>2</sup> front
Frame	Class 1 black anodized (highest AAMA rating)

- 1 Performance panels expected useful life of 35 years. Source: "SunPower P-Series Technology Technical Review," Leidos Independent Engineer Report. 2016.
- 2 SunPower 335 W, 19.9% efficient, compared to a Conventional Panel on same-sized arrays (310 W mono PERC, 19% efficient, approx. 1.64 m<sup>2</sup>), 0.25%/yr slower degradation rate (Jordan, et. al. Robust PV Degradation Methodology and Application. PVSC 2018).
- 3 Osborne. "SunPower supplying P-Series modules to a 125MW NextEra project." PV-Tech.org. March 2017.
- 4 SunPower Performance Series – Thermal Performance, Z.Campeau 2016.
- 5 Measured at Standard Test Conditions (STC): irradiance of 1000 W/m<sup>2</sup>, AM 1.5, and cell temperature 25° C.
- 6 Class C fire rating per IEC 61730.

Designed in U.S.A. by SunPower Corporation  
Assembled in China

Specifications included in this datasheet are subject to change without notice.

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