SunPower® Performance Series | P17

SunPower® Performance Series panels are designed to deliver consistent performance for many decades in commercial applications.

Helix™ Roof Compatible Modules

Factory-installed clips enable tool-free panel installation, decreasing installation time and minimizing business disruption.[1]

Increased Energy Production

The Performance Series modules deliver more energy due to higher performance in row-to-row shading, enabling closer row spacing and more energy from the same area. The unique parallel circuitry limits shading loss to the shaded area only instead of much larger sections of energy loss in conventional panels.[2]

Design Tip: *When modeling P-Series energy performance be sure to use linear shading losses. For more detailed guidance please visit https://us.sunpower.com/sites/sunpower/files/media-library/manuals/mn-sunpower-p-series-modeling-guide.pdf*

Higher Efficiency

The Performance Series design minimizes white space between solar cells, eliminates reflective metal lines on the cells, and lowers electrical resistance between cells, increasing efficiency compared to Conventional Commercial Panels.[3]
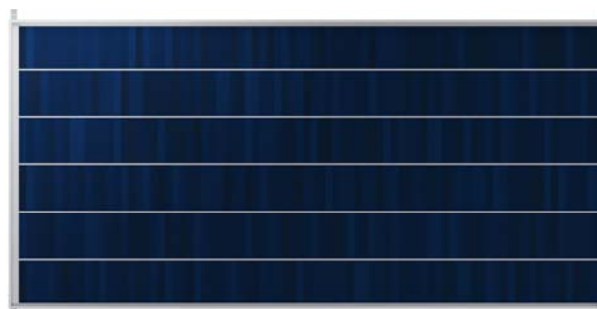
High Reliability

Innovative panel design uses flexible and redundant electrical connections between solar cells to deliver enhanced reliability.

SunPower Quality

Tested to SunPower's rigorous quality standards, and backed by the industry's best Combined Power and Product Warranty.
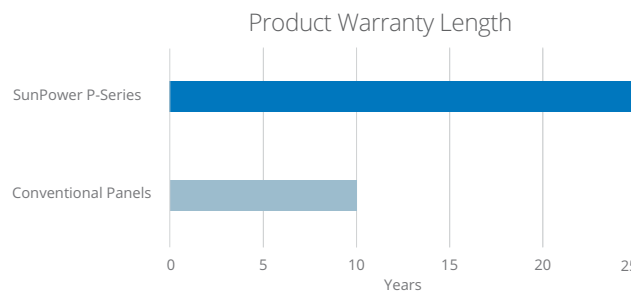
High Performance & Excellent Reliability
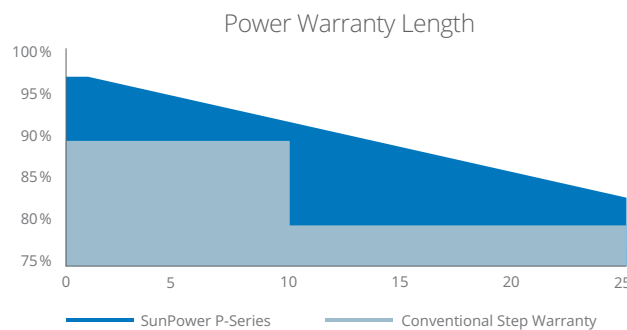

SPR-P17-COM

25 Year Combined Warranty

Protect your investment

Product Warranty Length

SunPower provides the best 25 year Combined Power and Product warranty in the industry, providing coverage regardless of product defect or power loss.

Power Warranty Length

SunPower's Performance Series is warranted to produce more than 97% power in the first year, then declining by 0.6% per year, ending at 82.6% power after 25 years.

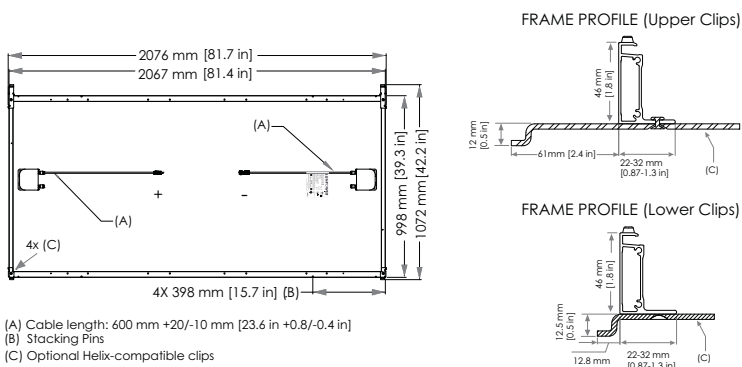SUNPOWER®

SunPower® Performance Series | P17

Electrical Data, STC[4]		
Model	SPR-P17-350-COM	SPR-P17-340-COM
Nominal Power (Pnom)	350 W	340 W
Power Tolerance	+5/−0%	+5/−0%
Efficiency	17.0%	16.5%
Rated Voltage (Vmpp)	43.1 V	42.5 V
Rated Current (Impp)	8.12 A	8.00 A
Open-Circuit Voltage (Voc)	51.7 V	51.3 V
Short-Circuit Current (Isc)	8.65 A	8.52 A
Power Temp. Coef.	−0.37% / ° C	
Voltage Temp. Coef.	−175.8 mV / ° C	−173.7 mV / ° C
Current Temp. Coef.	3.6 mA / ° C	
Maximum System Voltage	1000 V UL & 1000 V IEC	
Maximum Series Fuse	15 A	

Operating Condition And Mechanical Data	
Temperature	−40° F to +185° F (−40° C to +85° C)
Max. Load[6]	Wind: 50 psf, 2400 Pa, 245 kg/m² front & back Snow: 112 psf, 5400 Pa, 550 kg/m² front
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)
Appearance	Class B
Solar Cells	Multicrystalline cells
Tempered Glass	High-transmission tempered anti-reflective
Junction Box	IP-65, 23.6 in (600 mm) cables / TE (PV4S)
Frame	Class 2 silver anodized; stacking pins
Weight	51 lbs (23.1 kg)

Tests And Certifications	
Standard Tests[5]	UL1703 (Type 2 Fire Rating), IEC 61215, IEC 61730
Quality Certs	ISO 9001:2008, ISO 14001:2004
EHS Compliance	OHSAS 18001:2007, PV Cycle
Ammonia Test	IEC 62716
Desert Test	10.1109/PVSC.2013.6744437
Salt Spray Test	IEC 61701 (maximum severity)
PID Test	Potential-Induced Degradation free: 1000 V
Available Listings	UL, CEC, TUV, FSEC

REFERENCES:

1 Helix-compatible modules may not be compatible with other racking systems.

2 Actual results depend on module orientation and time of day. Independent Shade Study by CFV Laboratory.

3 Compared to a Conventional Commercial Panel (310 W, 16% efficient, approx. 1.93 m²).

4 Measured at Standard Test Conditions (STC): irradiance of 1000 W/m², AM 1.5, and cell temperature 25° C.

5 Type 2 fire rating per UL1703:2013, Class C fire rating per UL1703:2002 and IEC 61730.

6 For Helix Roof System loads, refer to Helix Roof product design guideline.

FRAME PROFILE (Upper Clips)

FRAME PROFILE (Lower Clips)

(A) Cable length: 600 mm +20/-10 mm [23.6 in +0.8/-0.4 in]
(B) Stacking Pins
(C) Optional Helix-compatible clips

Please read the safety and installation guide.
Clips installed on Helix Roof compatible modules only.
Clips are not removable and may not be compatible with non-Helix-branded racking.

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