

SunPower Performance 7

Commercial Solar Panel

620-630 W | SPR-P7-XXX-COM-L

 One-third cut, shingled-cell design

 Framed glass-glass

 Bifacial energy generation

 Hail: 35 mm (27.2 m/s)

 Fire Rating: Class C (IEC/UL)

Reduced Operating Costs

The Performance panel delivers energy production your bottom line can count on—leveraging high efficiency cells and an advanced electrical architecture to generate the energy you need to hedge future power bills.

Secure, Reliable Investment

The advanced engineering of the Performance panel provides reliable high power and a longer product lifecycle to maximise your return-on-investment. Rest assured knowing our nearly 40-years of solar experience and best-in-class warranty prove these panels are up to the challenge, day-in and day-out.

A Better Product for a Better Planet

Recognised by third-party organisations as a sustainability leader,¹ feel confident knowing your panel is produced from a clean supply chain with the highest quality standards of materials and human rights. It's a quick win for your ESG goals.

Corporate  **Knights**

Comprehensive Warranty Coverage

Each Maxon Performance panel is manufactured with the absolute confidence to deliver more energy and greater reliability over time—and backed by one of the industry's most comprehensive warranties.

Product and power coverage	15 / 30 Years
Year 1 minimum warranted output	99.0%
Maximum annual degradation	0.4%



Performance 7 POWER: 620-630 W | EFFICIENCY: Up to 23.0%

Electrical Data, Front STC Characteristics ²			
	SPR-P7-630-COM-L	SPR-P7-625-COM-L	SPR-P7-620-COM-L
Nominal Power (P _{nom}) ³	630 W	625 W	620 W
Power Tolerance	+3/0%	+3/0%	+3/0%
Panel Efficiency	23.0%	22.8%	22.7%
Rated Voltage (V _{mpp})	42.45 V	42.20 V	42.00 V
Rated Current (I _{mp})	14.85 A	14.82 A	14.77 A
Open-Circuit Voltage (V _{oc}) ³	49.85 V	49.60 V	49.40 V
Short-Circuit Current (I _{sc}) ³	15.68 A	15.66 A	15.63 A

Bifacial Gain ⁴			
P _{max} with 5% Bifacial Gain	662 W	656 W	651 W
I _{sc} with 5% Bifacial Gain	16.46 A	16.44 A	16.41 A
P _{max} with 10% Bifacial Gain	693 W	688 W	682 W
I _{sc} with 10% Bifacial Gain	17.25 A	17.23 A	17.19 A
P _{max} with 20% Bifacial Gain	756 W	750 W	744 W
I _{sc} with 20% Bifacial Gain	18.82 A	18.79 A	18.76 A

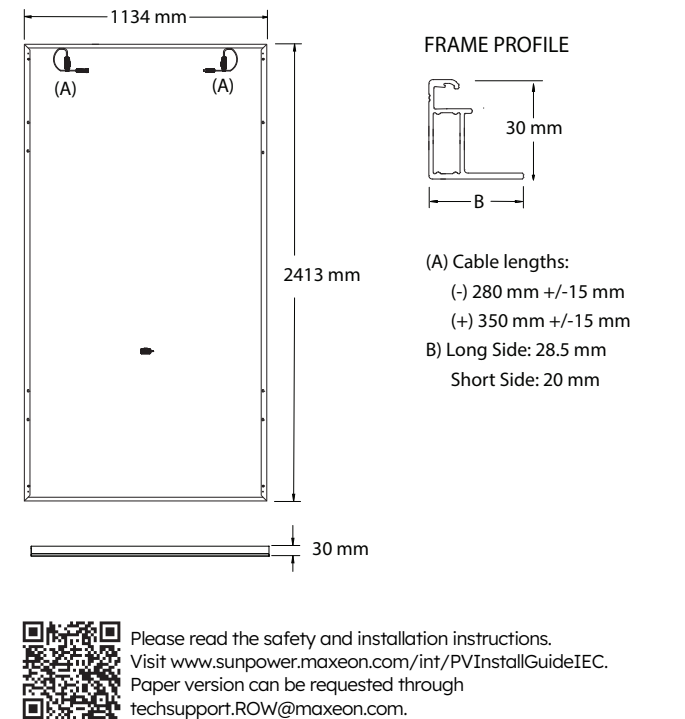
Electrical Data	
Bifaciality (φP _{max})	80% +/-10%
Maximum System Voltage	1500 V IEC
Temperature	-40°C to +85°C
Maximum Series Fuse	30 A
Power Temp. Coef.	-0.29% / °C
Voltage Temp. Coef.	-0.25% / °C
Current Temp. Coef.	0.045% / °C

Tests And Certifications	
Standard Tests	IEC 61215, IEC 61730 Rated to 1500 V
Fire Ratings	Class C (IEC 61730-2 / UL 790)
Quality Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	ISO 45001-2018, Recycling Scheme
Ammonia Test	IEC 62716
Dust and Sand	IEC 60068-2-68
Salt Spray Test	IEC 61701 (Severity 8)
LeTID Test	IEC TS 63342
PID Test	IEC 62804
Cradle to Cradle Certified™ Bronze	Panel line certified for material health, water stewardship, material reutilization, renewable energy & carbon management, and social fairness. ⁵



Mechanical Data	
Solar Cells	N-type TOPCon
Glass	2.0 mm + 2.0 mm, high transmission heat strengthened glass, AR coating on front glass
Junction Box	IP-68, 3 bypass diodes
Connector	Zerun Z4S
Weight	33.5 kg
Max. Load ⁵	Wind: 2400 Pa, 245 kg/m² front & back Snow: 5400 Pa, 550 kg/m² front
Impact Resistance	35 mm diameter hail at 27.2 m/s
Frame	Silver anodized aluminum alloy

Packaging Configuration	
Number of modules per pallet	36
Number of pallets per 40ft HQ container	16
Number of modules per container	576



1 Corporate Knights Global 100 Ranking 2024: <https://www.corporateknights.com/rankings/global-100-rankings/2024-global-100-rankings/the-20th-annual-global-100/>
2 Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25° C). NREL calibration Standard: SOMS current, LACCS FF and Voltage.
3 Measurements tolerance +/-3%.
4 The additional gain from the back side of the panel compared to the power of the front side of the panel at the standard test conditions. It depends on mounting (structure, height, tilt angle etc.) and albedo of the underlying surface.
5 As per IEC 61215 tested and certified. See Safety and Installation Guideline for details.

Designed in U.S.A.
Assembled in China
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