FROM MAXEON SOLAR TECHNOLOGIES

# **MAXEON 6** SOLAR PANEL

450-475 W | Up to 22.3% Efficient



Ideal for commercial applications

SUNPOWER

White backsheet, silver frame

# **More Lifetime Energy**

Designed to maximise energy generation through leading efficiency, enhanced performance in high temperatures, and higher energy conversion in low-light conditions like mornings, evenings and cloudy days.

## **Uncompromising Durability**

Engineered to power through all types of weather conditions with crackresistant cells and reinforced connections that protect against fatigue and corrosion, to an electrical architecture that mitigates the impact of shade and prevents hot-spot formation.



### **Superior Sustainability**

Clean ingredients, responsible manufacturing, and lasting energy production for 40 years make SunPower Maxeon panels the most sustainable choice in solar.

SUNPOWER

### The Industry's Longest Warranty

SunPower Maxeon panels are covered by a 40-year warranty<sup>1</sup> backed by extensive third-party testing and field data from more than 33 million panels deployed worldwide.

Product and power coverage Year 1 minimum warranted output Maximum annual degradation 40 Years 98.0% 0.25%



Learn more about the SPR-MAX6-XXX-COM **sunpower.maxeon.com** 

#### MAXEON 6 POWER: 450-475 W | EFFICIENCY: Up to 22.3%

Electrical Data			
SPR-MAX6-475- COM	SPR-MAX6-460- COM	SPR-MAX6-450- COM	
475 W	460 W	450 W	
5/0%	5/0%	5/0%	
22.3%	21.6%	21.2%	
43.9 V	43.2 V	42.8 V	
10.82 A	10.64 A	10.52 A	
52.6 V	52.5 V	52.4 V	
11.57 A	11.54 A	11.51 A	
	1500 V IEC		
	20 A		
	–0.29% / °C		
	–0.239% / ° C		
	0.057% / ° C		
	SPR-MAX6-475- COM 475 W 5/0% 22.3% 43.9 V 10.82 A 52.6 V	SPR-MAX6-475- COM SPR-MAX6-460- COM   475 W 460 W   5/0% 5/0%   22.3% 21.6%   43.9 V 43.2 V   10.82 A 10.64 A   52.6 V 52.5 V   11.57 A 11.54 A   1500 V IEC 20 A   -0.29% / °C -0.23%/ °C	

Warranties, Certifications and Compliance

ISO 9001:2015, ISO 14001:2015

IEC 60068-2-68, MIL-STD-810G

IEC 61701 (maximum severity)

First solar panel labeled for ingredient transparency and

First solar panel line certified for material health, water

stewardship, material reutilisation, renewable energy &

Panels can contribute additional points toward LEED and

RoHS, OHSAS 18001:2007, lead free, REACH SVHC-163

carbon management, and social fairness.<sup>5</sup>

IEC 61215, IEC 61730

1500 V: IEC 62804

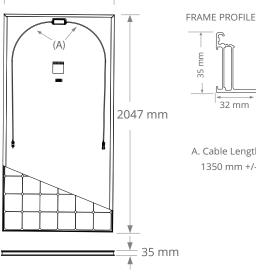
LBC-compliance.4

BREEAM certifications.

IEC 62716

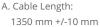
TUV

<b>Operating Condition And Mechanical Data</b>		
Temperature	-40°C to +85°C	
Impact Resistance	25 mm diameter hail at 23 m/s	
Solar Cells	72 Maxeon 6 Cells	
Tempered Glass	High-transmission tempered anti-reflective	
Junction Box	IP-68, Stäubli (EVO2), 3 bypass diodes	
Weight	22.7 kg	
Max. Load <sup>6</sup>	Wind: 2400 Pa, 244 kg/m² front & back Snow: 5400 Pa, 550 kg/m² front	
Frame	Class 2 silver anodised	



-1039 mm -

35 32 mm





Standard Tests<sup>3</sup>

Certs Ammonia Test

Desert Test

**PID** Test

Salt Spray Test

Available Listings

IFLI Declare Label

Cradle to Cradle

Green Building

**EHS** Compliance

Certified<sup>™</sup> Bronze

**Certification Contribution** 

**Quality Management** 







Please read the safety and installation instructions. Visit www.sunpower.maxeon.com/int/PVInstallGuideIEC Paper version can be requested through techsupport.ROW@maxeon.com

1 40-year warranty is not available in all countries or all installations and requires registration, otherwise our 25-year warranty applies. Service availability varies by country and installation provider.

2 Standard Test Conditions (1000 W/m<sup>2</sup> irradiance, AM 1.5, 25° C). NREL calibration Standard: SOMS current, LACCS FF and Voltage.

3 Class C fire rating per IEC 61730.

4 Maxeon DC panels first received the International Living Future Institute Declare Label in 2016. 5 Maxeon DC panels are Cradle to Cradle Certified<sup>™</sup> Bronze -

www.c2ccertified.org/products/scorecard/e-series\_xseries\_solar\_panels\_-\_sunpower\_corporation. Cradle to Cradle Certified<sup>™</sup> is a certification mark licensed by the Cradle to Cradle Products Innovation Institute. 6 Safety factor 1.5 included.

Made in Malaysia (Cells) Assembled in Mexico (Module) Specifications included in this datasheet are subject to change without notice. ©2022 Maxeon Solar Technologies. All Rights Reserved. View warranty, patent and trademark information at maxeon.com/legal.



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