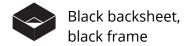


SPR-MAX3-XXX-BLK-R

# **MAXEON 3** SOLAR PANEL

405-420 W | Up to 22.2% Efficient





# **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 crack-resistant 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 Maxeon panels the most sustainable choice in solar.



# The Industry's Longest Warranty

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 40 Years
Year 1 minimum warranted output 98.0%
Maximum annual degradation 0.25%

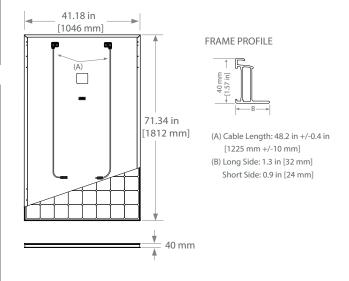


#### MAXEON 3 POWER: 405–420 W | EFFICIENCY: Up to 22.2%

Electrical Data				
	SPR-MAX3- 420-BLK-R	SPR-MAX3- 415-BLK-R	SPR-MAX3- 410-BLK-R	SPR-MAX3- 405-BLK-R
Nominal Power (Pnom) <sup>2</sup>	420 W	415 W	410 W	405 W
Power Tolerance	+5/0%	+5/0%	+5/0%	+5/0%
Panel Efficiency	22.2%	21.9%	21.6%	21.4%
Rated Voltage (Vmpp)	35.5 V	35.3 V	35.1 V	34.9 V
Rated Current (Impp)	11.82 A	11.75 A	11.68 A	11.61 A
Open-Circuit Voltage (Voc)	40.7 V	40.7 V	40.7 V	40.7 V
Short-Circuit Current (Isc)	12.65 A	12.64 A	12.63 A	12.62 A
Max. System Voltage	1000 V UL & 1000 V IEC			
Maximum Series Fuse	25 A			
Power Temp Coef.	−0.27% / °C			
Voltage Temp Coef.	−0.236% / °C			
Current Temp Coef.	0.058% / °C			

Certifications and Compliance			
Standard Tests <sup>3</sup>	UL 61730, IEC 61215, IEC 61730 (Pending)		
Quality Management Certs	ISO 9001:2015, ISO 14001:2015		
Ammonia Test	IEC 62716 (Pending)		
Desert Test	IEC 60068-2-68, MIL-STD-810G (Pending)		
Salt Spray Test	IEC 61701 (maximum severity) (Pending)		
PID Test	1000 V: IEC 62804 (Pending)		
Available Listings	UL, TUV, CEC and FSEC		
IFLI Declare Label	First solar panel labeled for ingredient transparency and LBC-compliance. 4		
Cradle to Cradle Certified <sup>™</sup> Silver	First solar panel line certified for material health, water stewardship, material reutilization, renewable energy & carbon management, and social fairness. 5		
Green Building Certification Contribution	Panels can contribute additional points toward LEED and BREEAM certifications.		
EHS Compliance	RoHS, ISO 45001:2018, Recycle Scheme, REACH SVHC-163		

Operating Condition And Mechanical Data			
Temperature	-40°F to +185°F (-40°C to +85°C)		
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)		
Solar Cells	112 Monocrystalline Maxeon Gen 3		
Tempered Glass	High-transmission tempered anti-reflective		
Junction Box	IP-68, Stäubli (MC4), 2 bypass diodes		
Weight	46.7 lbs (21.2 kg)		
Max. Load <sup>6</sup>	Wind: 50 psf, 2400 Pa, 244 kg/m² back Snow: 112 psf, 5400 Pa, 550 kg/m² front		
Frame	Class 1 black anodized (highest AAMA rating)		





Please read the safety and installation instructions. Visit Visit www.maxeon.com/us/InstallGuideUL. 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/m² irradiance, AM 1.5, 25° C). NREL calibration Standard: SOMS current, LACCS FF and Voltage.
- 3 Type 2 fire rating per UL 61730, 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™ Silver -

www.c2ccertified.org/products/scorecard/maxeon\_solar\_panels\_-\_maxeon\_corporation. Cradle to Cradle Certified  $^{\text{TM}}$  is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

6 As per IEC 61215-2016 tested and certified.

Made in Philippines (Cells) Assembled in Mexico (Module) Specifications included in this d

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

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View warranty, patent and trademark information at maxeon.com/legal.

