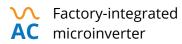
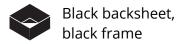
MAXEON 6 AC SOLAR PANEL

410-425 W | Up to 22.0% 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. Each panel's microinverter enables independent panel operation to mitigate the impact of shade while improving system performance.



Superior Sustainability

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



The Industry's Longest Warranty

SunPower Maxeon panels are covered by a 40-year warranty¹ 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%

Microinverter limited product warranty 25 Years covered by Enphase



MAXEON 6 AC POWER: 410-425 W | EFFICIENCY: Up to 22.0%

| AC Electrical Data | | |
|--|----------------------|--|
| Inverter Model: IQ 7A | @230 VAC | |
| Peak Output Power | 366 VA | |
| Max. Continuous Output Power | 349 VA | |
| Nom. (L–N) Voltage/Range | 219 – 264 V | |
| Max. Continuous Output Current | 1.52 A | |
| Max. Units per 20 A (L–N) Branch Circuit | 10 | |
| Weighted Efficiency ² | 96.5% | |
| Nom. Frequency | 50 Hz | |
| Extended Frequency Range | 45-55 Hz | |
| AC Short Circuit Fault Current Over 3 Cycles | 5.8 A rms | |
| Overvoltage Class AC Port | III | |
| AC Port Backfeed Current | 18 mA | |
| Power Factor Setting | 1.0 | |
| Power Factor (adjustable) | 0.8 lead. / 0.8 lag. | |

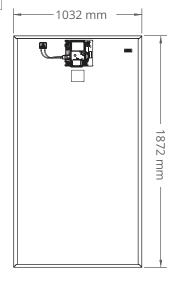
| DC Power Data | | | | |
|--------------------------------|---------------|-----------------------|------------------|--|
| | SPR-MAX6-425- | SPR-MAX6-415- | SPR-MAX6-410- | |
| | BLK-E3-AC | BLK-E3-AC | BLK-E3-AC | |
| Nom. Power ³ (Pnom) | 425 W | 415 W | 410 W | |
| Power Tol. | +5/0% | +5/0% | +5/0% | |
| Module Efficiency | 22.0% | 21.5% | 21.2% | |
| Temp. Coef. (Power) | | -0.29%/°C | | |
| Shade Tol. | Integrated mo | odule-level max. powe | r point tracking | |

| Mechanical Data | | |
|----------------------|--|--|
| Solar Cells | 66 Maxeon 6 Cells | |
| Tempered Glass | High-transmission tempered anti-reflective | |
| Environmental Rating | Microinverter Outdoor rated - IP67 (UL: NEMA type 6) | |
| Frame | Class 1 black anodized | |
| Weight | 21.8 kg | |



| Tested Operating Conditions | | |
|------------------------------------|--|--|
| Operating Temp. | -40°C to +60°C | |
| Max. Ambient Temp. | 50°C | |
| Relative Humidity | 4% to 100% (Condensing) | |
| Max. Altitude | 2000 m | |
| Design Load ⁴ | Wind: 3600 Pa, 367 kg/m² back Snow: 5400 Pa, 551 kg/m² front | |
| Impact Resistance | 25 mm diameter hail at 23 m/s | |
| Microinverter enclosure | Class II double-insulated, corrosion resistant polymeric enclosure | |

| Warranties, Certifications (Pending) and Compliance | | |
|--|--|--|
| Panel Warranties ¹ | 40-year limited power warranty 40-year limited product warranty | |
| Microinverter Warranty | 25-year limited product warranty covered by Enphase warranty⁵ | |
| Certifications and Compliance | • IEC 61215, 61730 ⁶ • IEC 62109-1, 62109-2 • IEC 61000-6-3 • AS4777.2, RCM • IEC/ EN 50549-1:2019, G98/G99 • VDE-AR-N-4105 | |
| Quality Management Certs | ISO 9001:2015, ISO 14001:2015 | |
| PID Test | 1000 V: IEC 62804 | |
| LeTID Test | Draft version IEC 61215 ⁷ | |
| Available listing | TUV ⁶ , EnTest | |
| Green Building | Panels can contribute additional | |
| Certification contribution | points towards LEED and BREEAM certifications | |
| EHS Compliance | RoHS, OHSAS 18001:2007, REACH SVHC-201 | |





(A) Long Side: 32 mm Short Side: 24 mm

- 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 Tested per EN 50530 (EU).
- 3 Standard Test Conditions (1000 W/ m^2 irradiance, AM 1.5, 25°C). NREL calibration standard: SOMS current, LACCS FF and voltage. All DC voltage is fully contained within the module.
- 4 Safety factor 1.5 included.
- $5\,$ AC modules shall be connected to Enphase Monitoring hardware (ENVOY) to enable Enphase product warranty.
- $\,$ 6 Refer to the DC module, Class C fire rating per IEC 61730.
- 7 Panels degraded 0% in extended LeTID testing conducted by PVEL. Test report R10124977G-1,2020.

Made in Malaysia (Cells)

Assembled in Malaysia (Module)

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



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



MAKER OF SUNPOWER PANELS