MAXEON® 3 | 400 W

Residential Solar Panel

SunPower Maxeon panels combine the top efficiency, durability and warranty available in the market today, resulting in more long-term energy and savings. 1,2

Maximum Power. Minimalist Design.
Industry-leading efficiency means more power and savings per available space. With fewer panels required, less is truly more.

Highest Lifetime Energy and Savings
Designed to deliver 60% more energy in the same space over 25 years in real-world conditions like partial shade and high temperatures. 2

Better Reliability, Better Warranty
With more than 25 million panels deployed around the world, SunPower technology is proven to last. That’s why we stand behind our panel with an exceptional 25-year Combined Power and Product Warranty, including the highest Power Warranty in solar.

1. Contributes to more LEED categories than conventional panels
2. As Sustainable As Its Energy
   - Ranked #1 in Silicon Valley Toxics Coalition Solar Scorecard
   - First solar panels to achieve Cradle to Cradle Certified Silver recognition, pending
   - Patented solid metal foundation prevents breakage and corrosion

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### Operating Condition And Mechanical Data

- **Temperature**: −40° C to +85° C
- **Impact Resistance**: 25 mm diameter hail at 23 m/s
- **Solar Cells**: 104 Monocrystalline Maxeon Gen III
- **Tempered Glass**: High-transmission tempered anti-reflective
- **Junction Box**: IP-65, Stäubli (MC4), 3 bypass diodes
- **Weight**: 19 kg
- **Max. Load**
  - **Wind**: 4000 Pa, 408 kg/m² front & back
  - **Snow**: 6000 Pa, 611 kg/m² front
- **Frame Class 1** black anodized (highest AAMA rating)

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### Electrical Data

<table>
<thead>
<tr>
<th>SPR-MAX3-400</th>
<th>SPR-MAX3-390</th>
<th>SPR-MAX3-370</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nominal Power (Pnom)</strong></td>
<td>400 W</td>
<td>390 W</td>
</tr>
<tr>
<td><strong>Power Tolerance</strong></td>
<td>+5/0%</td>
<td>+5/0%</td>
</tr>
<tr>
<td><strong>Panel Efficiency</strong></td>
<td>22.6%</td>
<td>22.1%</td>
</tr>
<tr>
<td><strong>Rated Voltage (Vmp)</strong></td>
<td>65.8 V</td>
<td>64.5 V</td>
</tr>
<tr>
<td><strong>Rated Current (Imp)</strong></td>
<td>6.08 A</td>
<td>6.05 A</td>
</tr>
<tr>
<td><strong>Open-Circuit Voltage (Voc)</strong></td>
<td>75.6 V</td>
<td>75.3 V</td>
</tr>
<tr>
<td><strong>Short-Circuit Current (Isc)</strong></td>
<td>6.58 A</td>
<td>6.55 A</td>
</tr>
<tr>
<td><strong>Max. System Voltage</strong></td>
<td>1000 V IEC</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Series Fuse</strong></td>
<td>20 A</td>
<td></td>
</tr>
<tr>
<td><strong>Power Temp Coef.</strong></td>
<td>−0.29% / °C</td>
<td></td>
</tr>
<tr>
<td><strong>Voltage Temp Coef.</strong></td>
<td>−176.8 mV / °C</td>
<td></td>
</tr>
<tr>
<td><strong>Current Temp Coef.</strong></td>
<td>2.9 mA / °C</td>
<td></td>
</tr>
</tbody>
</table>

### Tests And Certifications

- **Standard Tests**: IEC 61215, IEC 61730 Class 1 fire rated per UNI 9177
- **EHS Compliance**: RoHS (Pending), OHSAS 18001:2007, lead free, REACH SVHC-163 (Pending)
- **Sustainability**: Cradle to Cradle Certified™ (Pending)
- **Ammonia Test**: IEC 62716
- **Desert Test**: 10.1109/PVSC.2013.6744437
- **Salt Spray Test**: IEC 61701 (maximum severity)
- **PID Test**: 1000 V: IEC 62804
- **Available Listings**: TUV 9

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1. SunPower 400 W, 22.6% efficient, compared to a Conventional Panel on same-sized arrays (260 W, 16% efficient, approx. 1.6 m²), 7% more energy per watt (based on PVsyst pan files for avg EU climate). 0.5%/yr slower degradation rate (Jordan, et. al. "Robust PV Degradation Methodology and Application." PVSC 2018).
2. DNV “SunPower Shading Study,” 2013. Compared to a conventional front contact panel.
4. SunPower is rated #1 on Silicon Valley Toxics Coalition’s Solar Scorecard.
5. Cradle to Cradle Certified is a multi-attribute certification program that assesses products and materials for safety to human and environmental health, design for future use cycles, and sustainable manufacturing.
6. Maxeon2 and Maxeon3 panels additionally contribute to LEED Materials and Resources credit categories.
8. Class C fire rating per IEC 61730.
9. Also certified under names SPR-XYY-XXX.
10. Calculated with a 1.5 Safety Factor.

Designed in USA
Made in Philippines (Cells)
Modules Assembled in Mexico

Visit www.sunpowercorp.co.uk for more information.
Specifications included in this datasheet are subject to change without notice.

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