The new SunPower Performance 3 AC Modules combine enhanced full black shingling technology with the world's most advanced inverter technology. The result is an elegant, optimized solution for any roof.

Backed by an industry-leading warranty and an estimated 35-year useful life, SunPower Performance panels wrap conventional front contact cells with 35 years of materials, engineering and manufacturing expertise to mitigate the reliability challenges of Conventional Panel design.

**Durability that Translates to More Energy**
Engineered to stand up to environmental stresses such as shading, daily temperature swings and high humidity, the SunPower Performance 3 panel delivers up to 7% more energy in the same space over 25 years compared to Conventional mono PERC Panels.

**A Track Record of Innovation Leadership**
SunPower Performance panels represent the most deployed shingled cell panel in the industry—innovation protected by a growing portfolio of patents worldwide.

**A Better Product. A Better Warranty.**
Each SunPower Performance panel is manufactured with the confidence to deliver more energy and reliability over time—and backed for 25 years by the SunPower Complete Confidence Panel Warranty.

- Year 1 Minimum Warranted Power Output 98.0%
- Maximum Annual Degradation 0.45%
- Year 25 Minimum Warranted Power Output 87.2%

sunpower.maxeon.com
### AC Electrical Data

<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>366 VA</td>
<td>349 VA</td>
<td>219 – 264 V</td>
<td>1.52 A</td>
<td>10</td>
<td>96.5%</td>
<td>50 Hz</td>
<td>45-55 Hz</td>
<td>1.52 A</td>
<td>10</td>
<td>96.5%</td>
</tr>
</tbody>
</table>

### DC Power Data

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>385 W</td>
<td>+5/0%</td>
<td>19.6%</td>
<td>~0.34%/°C</td>
<td>Integrated module-level max. power point tracking</td>
</tr>
<tr>
<td>380 W</td>
<td>+5/0%</td>
<td>19.4%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>375 W</td>
<td>+5/0%</td>
<td>19.1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>370 W</td>
<td>+5/0%</td>
<td>18.9%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Mechanical Data

<table>
<thead>
<tr>
<th>Solar Cells</th>
<th>Front Glass</th>
<th>Junction Box</th>
<th>Environmental Rating</th>
<th>Frame</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monocrystalline PERC</td>
<td>High-transmission tempered glass with anti-reflective coating</td>
<td>IP-68, PV45, 3 bypass diodes</td>
<td>Microinverter Outdoor rated - IP67 (UL: NEMA type 6)</td>
<td>Class 1 black anodized</td>
<td>22.2 kg</td>
</tr>
</tbody>
</table>

### 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
- Max. Test Load: Wind: 2400 Pa, 245 kg/m² back Snow: 5400 Pa, 550 kg/m² front
- Design Load<sup>3</sup>: Wind: 1600 Pa, 163 kg/m² back Snow: 3600 Pa, 367 kg/m² front
- Impact Resistance: 25 mm diameter hail at 23 m/s

### Warranties, Certifications, and Compliance

- **Warranties**: 25-year limited power warranty
- **Microinverter Warranty**: 25-year limited product warranty covered by Enphase warranty<sup>7</sup>
- **Certifications and Compliance**:
  - IEC 61215, 61730<sup>8</sup>
  - IEC 61000-6-3
  - AS4777.2, RCM
  - VDE-AR-N-4105
- **PID Test**: 1000 V: IEC 62804
- **Available listing**: TÜV<sup>8</sup>, EnTest
- **EHS Compliance**: OHSAS 18001:2007, Recycling Scheme

2. SunPower 385 W, 19.6% efficient, connected to an IQ7A, compared to a Conventional Panel on same-sized arrays (310 W mono PERC, 19% efficient, approx. 1.64 m²), 1% more energy per watt (based on PVSim runs for avg. EU climate). 0.1%/yr slower degradation rate (Based on Oct. 2020 review of warranties on manufacturer websites for top 20 manufacturers per IHS 2020) connected to a String Inverter.
3. Based on shipments as of Q2-2020.
4. Tested per EN 50530 (EU).
5. Measured at Standard Test Conditions (STC) irradiance of 1000 W/m², AM 1.5, and cell temperature 25°C.
6. Safety factor 1.5 included.
7. AC modules shall be connected to Enphase Monitoring hardware (ENVOY) to enable Enphase product warranty.
8. Refer to DC module, Class C fire rating per IEC 61730.

Designed in U.S.A.
Assembled in China

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


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Paper version can be requested through techsupport.ROW@maxeon.com

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