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 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.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product and power coverage</td>
<td>40 Years</td>
</tr>
<tr>
<td>Year 1 minimum warranted output</td>
<td>98.0%</td>
</tr>
<tr>
<td>Maximum annual degradation</td>
<td>0.25%</td>
</tr>
</tbody>
</table>

Learn more about SunPower Maxeon panels
sunpower.maxeon.com
**Operating Condition And Mechanical Data**

- **Temperature**: $-40^\circ\text{C}$ to $+85^\circ\text{C}$
- **Impact Resistance**: 45 mm diameter hail at 30.7 m/s
- **Solar Cells**: 112 Monocrystalline Maxeon Gen 7
- **Tempered glass**: 3.2 mm, high-transmission tempered anti-reflective
- **Junction Box IP-68**: Stäubli (MC4), 2 bypass diodes
- **Weight**: 20.7 kg
- **Max. Load**:
  - Wind: 2400 Pa, 244 kg/m² front & back
  - Snow: 5400 Pa, 550 kg/m² front
- **Frame**: Class 1 black anodized (highest AAMA rating)

**Packaging Configuration**

- Number of modules per pallet: 26
- Number of pallets per 40ft HQ container: 24
- Number of modules per container: 624

**Certifications and Compliance**

- **Standard Tests**: IEC 61215, IEC 61730
- **Fire Ratings**: Spread of Flame: Class A, Burning Brand: Class C
- **Ammonia Test**: IEC 62716
- **Desert Test**: IEC 60068-2-68, MIL-STD-810G
- **Salt Spray Test**: IEC 61701 (Severity 6)
- **PID Test**: 1000 V: IEC 62804
- **Available Listings**: TUV
- **IFLI Declare Label**: First solar panel labeled for ingredient transparency and LBC-compliance.
- **Cradle to Cradle Certified**: First solar panel line certified for material health, water stewardship, material reutilization, renewable energy & carbon management, and social fairness.
- **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

**Electrical Data**

<table>
<thead>
<tr>
<th>SPR-MAX7-445-PT</th>
<th>SPR-MAX7-440-PT</th>
<th>SPR-MAX7-435-PT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Power (Pnom)</td>
<td>445 W</td>
<td>440 W</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>$+5/0%$</td>
<td>$+5/0%$</td>
</tr>
<tr>
<td>Panel Efficiency</td>
<td>24.1%</td>
<td>23.8%</td>
</tr>
<tr>
<td>Rated Voltage (Vmpp)</td>
<td>71.4 V</td>
<td>71.0 V</td>
</tr>
<tr>
<td>Rated Current (Impp)</td>
<td>6.23 A</td>
<td>6.20 A</td>
</tr>
<tr>
<td>Open-Circuit Voltage (Vac) (+/-3%)</td>
<td>83.0 V</td>
<td>83.0 V</td>
</tr>
<tr>
<td>Short-Circuit Current (Isc) (+/-3%)</td>
<td>6.60 A</td>
<td>6.59 A</td>
</tr>
<tr>
<td>Max. System Voltage</td>
<td>1000 V IEC</td>
<td></td>
</tr>
<tr>
<td>Power Temp Coef.</td>
<td>$-0.27% / \degree\text{C}$</td>
<td></td>
</tr>
<tr>
<td>Voltage Temp Coef.</td>
<td>$-0.23% / \degree\text{C}$</td>
<td></td>
</tr>
<tr>
<td>Current Temp Coef.</td>
<td>0.058% / \degree\text{C}$</td>
<td></td>
</tr>
</tbody>
</table>

**SUNPOWER FROM MAXEON SOLAR TECHNOLOGIES**

Made in Philippines (Cells)
Assembled in Mexico (Module)
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