PERFORMANCE 6 SOLAR PANEL

535-550 W | Up to 21.1% Efficient

Ideal for commercial applications  Framed glass-glass  Bifacial energy generation

Enhanced Power Density
With high efficiency, LeTID/LID-resistant solar cells (G12, 210mm), bifacial energy capture, a lower temperature coefficient, and front-side conductive wires that support increased current collection, SunPower Performance panels are uniquely engineered to deliver more lifetime energy over standard solar panels.

Proven Reliability
A proprietary shingled-cell design maximises durability in all types of weather conditions—including reinforced cell connections that withstand the stresses of daily temperature swings, redundant electrical paths that alleviate the impact of cell cracks, and an advanced electrical architecture that is more resilient to the effects of shade and mitigates hot-spot formation.

SunPower Complete Confidence Warranty
Each SunPower Performance panel is manufactured with the absolute confidence to deliver more energy and greater reliability over time—and backed for 25 years by one of the industry’s most comprehensive warranties.

| Product and power coverage | 25 / 25 Years |
| Year 1 minimum warranted output | 98.0% |
| Maximum annual degradation | 0.45% |

Learn more about the SPR-P6-XXX-COM-M-BF
sunpower.maxeon.com
Performance 6

POWER: 535-550 W | EFFICIENCY: Up to 21.1%

### Electrical Data, Front STC Characteristics¹

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<tr>
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</thead>
<tbody>
<tr>
<td>Nominal Power (Pnom)</td>
<td>550 W</td>
<td>545 W</td>
<td>540 W</td>
<td>535 W</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>+3/0%</td>
<td>+3/0%</td>
<td>+3/0%</td>
<td>+3/0%</td>
</tr>
<tr>
<td>Panel Efficiency</td>
<td>21.1%</td>
<td>20.9%</td>
<td>20.7%</td>
<td>20.6%</td>
</tr>
<tr>
<td>Rated Voltage (Vmpp)</td>
<td>39.5 V</td>
<td>39.3 V</td>
<td>39.1 V</td>
<td>38.8 V</td>
</tr>
<tr>
<td>Rated Current (Impp)</td>
<td>13.92 A</td>
<td>13.87 A</td>
<td>13.81 A</td>
<td>13.79 A</td>
</tr>
<tr>
<td>Open-Circuit Voltage (Voc) (+/-3%)</td>
<td>47.6 V</td>
<td>47.4 V</td>
<td>47.2 V</td>
<td>47.0 V</td>
</tr>
<tr>
<td>Short-Circuit Current (Isc) (+/-3%)</td>
<td>14.82 A</td>
<td>14.81 A</td>
<td>14.80 A</td>
<td>14.79 A</td>
</tr>
</tbody>
</table>

### Bifacial Gain²

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>Pmax with 5% Bifacial Gain</td>
<td>578 W</td>
<td>572 W</td>
<td>567 W</td>
<td>562 W</td>
</tr>
<tr>
<td>Isc with 5% Bifacial Gain</td>
<td>15.56 A</td>
<td>15.55 A</td>
<td>15.54 A</td>
<td>15.52 A</td>
</tr>
<tr>
<td>Pmax with 10% Bifacial Gain</td>
<td>605 W</td>
<td>600 W</td>
<td>594 W</td>
<td>589 W</td>
</tr>
<tr>
<td>Isc with 10% Bifacial Gain</td>
<td>16.30 A</td>
<td>16.29 A</td>
<td>16.28 A</td>
<td>16.26 A</td>
</tr>
<tr>
<td>Pmax with 20% Bifacial Gain</td>
<td>660 W</td>
<td>654 W</td>
<td>648 W</td>
<td>642 W</td>
</tr>
<tr>
<td>Isc with 20% Bifacial Gain</td>
<td>17.78 A</td>
<td>17.77 A</td>
<td>17.76 A</td>
<td>17.74 A</td>
</tr>
</tbody>
</table>

### Mechanical Data

- Impact Resistance: 25 mm diameter hail at 23 m/s
- Solar Cells: Monocrystalline PERC
- Glass: 2.0 mm, heat strengthened glass
- Junction Box: IP-68, 3 bypass diodes
- Connector: Renhe RHC2 or Zerun Z4S or Stäubli Evo2
- Weight: 32.4 kg
- Max. Load¹: Wind: 2400 Pa, 245 kg/m² front & back, Snow: 5400 Pa, 550 kg/m² front
- Frame: Silver anodized aluminum alloy

### Electrical Data

- Bifaciality (pPmax): 70% +/-10%
- Maximum System Voltage: 1500 V IEC
- Temperature: −40°C to +85°C
- Maximum Series Fuse: 25 A
- Power Temp. Coef.: −0.34% / ° C
- Voltage Temp. Coef.: −0.26% / ° C
- Current Temp. Coef.: 0.05% / ° C

### Tests And Certifications

- Standard Tests: IEC 61215, IEC 61730 Rated to 1500 V
- Fire Rating: Class C (IEC 61730)
- EHS Compliance: ISO 45001-2018, Recycling Scheme
- Ammonia Test: IEC 62716
- Dust and Sand: IEC 60068-2-68
- Salt Spray Test: IEC 61701 (maximum severity)
- LeTID Test: TUV 2fg 2689/04.19 (LeTID Detection)
- PID Test: IEC 62804

¹ Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25°C). NREL calibration
² Standard: SOMS current, LACCS FF and Voltage.
³ The additional gain from the back side of the panel compared to the power of the front side of the panel at the standard test conditions. It depends on mounting (structure, height, tilt angle etc.) and albedo of the underlying surface.
³ As per IEC 61215-2016 tested and certified.

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