Achieving 20.5% efficiency, Solaria PowerXT solar panels are one of the highest power panels in the residential and commercial solar market. Compared to conventional panels, Solaria PowerXT panels have fewer gaps between the solar cells; this leads to higher power and superior aesthetics. Solaria PowerXT Pure Black™ panels are manufactured with black backsheet and frames, enhancing a home or building’s architectural beauty.

Higher Efficiency, Higher Power
Solaria PowerXT panels achieve up to 20.5% efficiency; conventional panels achieve 15% – 17% efficiency. Solaria PowerXT panels are one of the highest power panels available.

Lower System Costs
Solaria PowerXT panels produce more power per square meter area. This reduces installation costs due to fewer balance of system components.

Improved Shading Tolerance
Sub-strings are interconnected in parallel, within each of the four panel quadrants, which dramatically lowers the shading losses and boosts energy yield.

Improved Aesthetics
Compared to conventional panels, Solaria PowerXT panels have a more uniform appearance and superior aesthetics.

Durability and Reliability
Solder-less cell interconnections are highly reliable and designed to far exceed the industry leading 25 year warranty.

PID Resistant
Solaria PowerXT panels are PID resistant. This insures stable and predictable energy production over time.

About Solaria
Established in 2000, The Solaria Corporation has created one of the industry’s most respected IP portfolios, with over 250 issued and pending patents in PV solar cell and module technology. Headquartered in Oakland, California, Solaria has developed a technology platform that unlocks the potential of solar energy.
**Solaria PowerXT®-370R-PD**

### Performance at STC (1000W/m², 25°C, AM 1.5)

<table>
<thead>
<tr>
<th>Solaria PowerXT-</th>
<th>365R-PD</th>
<th>370R-PD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Power (Pmax) [W]</td>
<td>365</td>
<td>370</td>
</tr>
<tr>
<td>Efficiency [%]</td>
<td>20.2</td>
<td>20.5</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>48.0</td>
<td>48.3</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>9.58</td>
<td>9.60</td>
</tr>
<tr>
<td>Max Power Voltage (Vmp) [V]</td>
<td>39.9</td>
<td>40.2</td>
</tr>
<tr>
<td>Max Power Current (Imp) [A]</td>
<td>9.16</td>
<td>9.20</td>
</tr>
<tr>
<td>Power Tolerance [%]</td>
<td>-0/+3</td>
<td>-0/+3</td>
</tr>
</tbody>
</table>

### Performance at NOCT (800W/m², 20°C Amb, Wind 1 m/s, AM 1.5)

<table>
<thead>
<tr>
<th></th>
<th>365R-PD</th>
<th>370R-PD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Power (Pmax) [W]</td>
<td>269</td>
<td>272</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>45.1</td>
<td>45.4</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>7.73</td>
<td>7.74</td>
</tr>
<tr>
<td>Max Power Voltage (Vmp) [V]</td>
<td>36.7</td>
<td>37.0</td>
</tr>
<tr>
<td>Max Power Current (Imp) [A]</td>
<td>7.32</td>
<td>7.35</td>
</tr>
</tbody>
</table>

### Temperature Characteristics

- NOCT [°C]: 45 +/- 2
- Temp. Coeff. of Pmax [% / °C]: -0.39
- Temp. Coeff. of Voc [% / °C]: -0.29
- Temp. Coeff. of Isc [% / °C]: 0.04

### Design Parameters

- Operating temperature [°C]: -40 to +85
- Max System Voltage [V]: 1000
- Max Fuse Rating [A]: 15
- Bypass Diodes [#]: 4

### Mechanical Characteristics

- **Cell Type**: Monocrystalline Silicon
- **Dimensions (L x W x H)**: 63.8" x 43.9" x 1.57" (1621mm x 1116mm x 40mm)
- **Weight**: 21 kg / 46 lbs
- **Glass Type / Thickness**: AR Coated, Tempered / 3.2mm
- **Frame Type**: Black Anodized Aluminum
- **Cable Type / Length**: 12 AWG PV Wire (UL) / 1000mm
- **Connector Type**: MC4
- **Junction Box**: IP67 / 4 diodes
- **Front Load**: 5400 Pa / 113 psf*
- **Rear Load**: 3600 Pa / 75 psf*

*Refer to Solaria Installation Manual for details

### Certifications / Warranty

- **Certifications**: UL 1703/IEC 61215/IEC 61730/CEC CAN/CSA-C22.2
- **Fire Type (UL 1703)**: 1
- **Warranty**: 25 years*

*Warranty details at www.solaria.com

### Packaging

- **Stacking Method**: Horizontal / Palletized
- **Panels / Pallet**: 25
- **Pallet Dims (L x W x H)**: 65.7" x 45.3" x 48.4" (1668mm x 1150mm x 1230 mm)
- **Pallet Weight**: 590 kg / 1300 lbs
- **Pallets / 40-ft Container**: 28
- **Panels / 40-ft Container**: 700

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**Comprehensive 25-Year Warranty**

![25-year Power, Parts and Labor from Solaria Typical Tier 1 industry warranty](image)

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* Years: 5, 10, 15, 20, 25
  - 25-year Power, Parts and Labor from Solaria
  - Typical Tier 1 industry warranty