Achieving 20% 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.

Developed in California, Solaria’s patented cell cutting and panel assembly takes processed solar wafers and turns them into PowerXT solar panels. The process starts by creating a highly reliable PowerXT cell where busbars and ribbon interconnections are eliminated. Solaria then packages the cells into the PowerXT solar panel, reducing inactive space between the cells. This process leads to an exceptionally cost effective and efficient solar panel.

**Higher Efficiency, Higher Power**
Solaria PowerXT panels achieve up to 20% 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.

**About Solaria**
Established in 2000, The Solaria Corporation has created one of the industry’s most respected IP portfolios, with over 65 patents encompassing materials, processes, applications, products, manufacturing automation and equipment. Headquartered in Oakland, CA, Solaria has developed a technology platform that unlocks the potential of solar energy.
Performance at STC (1000W/m², 25°C, AM 1.5)

<table>
<thead>
<tr>
<th>Solaria PowerXT-</th>
<th>360R-PD</th>
<th>370R-PD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Power (Pmax) [W]</td>
<td>360</td>
<td>370</td>
</tr>
<tr>
<td>Efficiency [%]</td>
<td>19.9</td>
<td>20.5</td>
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<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>47.7</td>
<td>48.3</td>
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<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>9.56</td>
<td>9.60</td>
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<tr>
<td>Max Power Voltage (Vmp) [V]</td>
<td>39.5</td>
<td>40.2</td>
</tr>
<tr>
<td>Max Power Current (Imp) [A]</td>
<td>9.13</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>360R-PD</th>
<th>370R-PD</th>
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</thead>
<tbody>
<tr>
<td>Max Power (Pmax) [W]</td>
<td>265</td>
<td>272</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>44.8</td>
<td>45.4</td>
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<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>7.71</td>
<td>7.74</td>
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<tr>
<td>Max Power Voltage (Vmp) [V]</td>
<td>36.3</td>
<td>37.0</td>
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<tr>
<td>Max Power Current (Imp) [A]</td>
<td>7.30</td>
<td>7.35</td>
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Temperature Characteristics

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<tbody>
<tr>
<td></td>
<td>45 +/-2</td>
<td>-0.39</td>
<td>-0.29</td>
<td>0.04</td>
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Design Parameters

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<tr>
<td></td>
<td>-40 to +85</td>
<td>1000</td>
<td>15</td>
<td>4</td>
</tr>
</tbody>
</table>

Mechanical Characteristics

- **Cell Type**: Monocrystalline Silicon
- **Dimensions (L x W x H)**: 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
- **Power & Product Warranty**: 25 years*

*Warranty details at www.solaria.com

Packaging

- **Stacking Method**: Horizontal / Palletized
- **Pcs / Pallet**: 25
- **Pallet Dims**: 1668 x 1150 x 1230 mm
- **Pallet Weight**: 590 kg / 1300 lbs
- **Pallets / 40-ft Container**: 28
- **Pcs / 40-ft Container**: 700

Comprehensive 25-Year Warranty

25-year workmanship and performance from Solaria

Typical Tier 1 industry warranty

98%

90%

80%

86%

81%

80%

90%

100%

Years

10

15

20

25

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