Fundamentally Different. And Better.

The SunPower Maxeon® Solar Cell
- Enables highest efficiency panels available²
- Unmatched reliability³
- Patented solid metal foundation prevents breakage and corrosion

As Sustainable As Its Energy
- Ranked #1 in Silicon Valley Toxics Coalition 2017 Solar Scorecard⁴
- First solar panels to achieve Cradle to Cradle Certified™ Silver recognition⁵
- Contributes to more LEED categories than conventional panels⁶

SunPower X-Series: X21-460-COM DC
SunPower® Commercial Panel

SunPower X-Series panels combine the top efficiency, durability and warranty available in the market today, resulting in more long-term energy and savings.¹²

Maximum Power. Minimalist Design.
Generates more power and savings per available space, making it easier to meet your organization's goals.

Highest Lifetime Energy and Savings
Designed to deliver 60% more energy in the same space over 25 years in real-world conditions like partial shade and high temperatures.²

Better Reliability, Better Warranty
With more than 25 million panels deployed around the world, SunPower technology is proven to last. That's why we stand behind our panel with the industry's best 25-year Combined Power and Product Warranty, including the highest Power Warranty in solar.

sunpowercorp.co.uk
X-Series: X21-460-COM DC SunPower® Commercial Panel

### Electrical Data

<table>
<thead>
<tr>
<th>SPR-X21-460-COM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Power (Pnom)</td>
<td>7</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>+5/0%</td>
</tr>
<tr>
<td>Panel Efficiency</td>
<td>21.3%</td>
</tr>
<tr>
<td>Rated Voltage (Vmp)</td>
<td>77.3 V</td>
</tr>
<tr>
<td>Rated Current (Imp)</td>
<td>5.95 A</td>
</tr>
<tr>
<td>Open-Circuit Voltage (Voc)</td>
<td>90.5 V</td>
</tr>
<tr>
<td>Short-Circuit Current (Isc)</td>
<td>6.39 A</td>
</tr>
<tr>
<td>Max. System Voltage</td>
<td>1500 V IEC &amp; 1500 V UL</td>
</tr>
<tr>
<td>Maximum Series Fuse</td>
<td>15 A</td>
</tr>
<tr>
<td>Power Temp Coef.</td>
<td>~0.29% / °C</td>
</tr>
<tr>
<td>Voltage Temp Coef.</td>
<td>~223.2 mV / °C</td>
</tr>
<tr>
<td>Current Temp Coef.</td>
<td>2.9 mA / °C</td>
</tr>
</tbody>
</table>

### Operating Condition And Mechanical Data

- **Temperature**: -40° C to +85° C
- **Impact Resistance**: 25 mm diameter hail at 23 m/s
- **Appearance**: Class A
- **Solar Cells**: 128 Monocrystalline Maxeon Gen III
- **Tempered Glass**: High-transmission tempered anti-reflective
- **Junction Box**: IP-65, 1230 mm cables / PV4S
- **Weight**: 25.4 kg
- **Max. Load**:
  - **Wind**: 2400 Pa, 244 kg/m² front & back
  - **Snow**: 5400 Pa, 550 kg/m² front
- **Frame**: Class 2 silver anodized; stacking pins

### Tests And Certifications

- **Standard Tests**: IEC 61215, IEC 61730, UL1703 (Type 2 Fire Rating)
- **EHS Compliance**: RoHS, OHSAS 18001:2007, lead free, Recycle Scheme, REACH SVHC-163
- **Sustainability**: Cradle to Cradle Certified™ Silver, “Declare.” listed.
- **Ammonia Test**: IEC 62716
- **Desert Test**: 10.1109/PVSC.2013.6744437
- **Salt Spray Test**: IEC 61701 (maximum severity)
- **PID Test**: 1500 V: IEC 62804, PVEL 600 hr duration
- **Available Listings**: TUV, UL, MCS, FSEC, CEC

1 SunPower 360 W compared to a Conventional Panel on same-sized arrays (260 W, 16% efficient, approx. 1.6 m², 4% more energy per watt (based on PVsyst pan files), 0.75%/yr slower degradation (Campeau, Z. et al. “SunPower Module Degradation Rate,” SunPower white paper, 2013).
2 Based on search of datasheet values from websites of top 10 manufacturers per IHS, as of January 2017.
4 SunPower is rated #1 on Silicon Valley Toxics Coalition’s Solar Scorecard.
5 Cradle to Cradle Certified is a multi-attribute certification program that assesses products and materials for safety to human and environmental health, design for future use cycles, and sustainable manufacturing.
6 X-Series and E-Series panels additionally contribute to LEED Materials and Resources credit categories.
8 Type 2 fire rating per UL1703:2013, Class C fire rating per UL1703:2002.

See www.sunpowercorp.co.uk/company/about-sunpower for more reference information. Specifications included in this datasheet are subject to change without notice.

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UK: 0 8082818718 | Other EU: 00 800 855 81111
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