**BENEFITS**

**Maximum Light Capture**
SunPower’s all-back contact cell design moves gridlines to the back of the cell, leaving the entire front surface exposed to sunlight, enabling up to 10% more sunlight capture than conventional cells.

**Superior Temperature Performance**
Due to lower temperature coefficients and lower normal cell operating temperatures, our cells generate more energy at higher temperatures compared to standard c-Si solar cells.

**No Light-Induced Degradation**
SunPower n-type solar cells don’t lose 3% of their initial power once exposed to sunlight as they are not subject to light-induced degradation like conventional p-type c-Si cells.

**Broad Spectral Response**
SunPower cells capture more light from the blue and infrared parts of the spectrum, enabling higher performance in overcast and low-light conditions.

**Broad Range Of Application**
SunPower cells provide reliable performance in a broad range of applications for years to come.

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**The SunPower™ C60 solar cell with proprietary Maxeon™ cell technology delivers today’s highest efficiency and performance.**

The anti-reflective coating and the reduced voltage-temperature coefficients provide outstanding energy delivery per peak power watt. Our innovative all-back contact design moves gridlines to the back of the cell, which not only generates more power, but also presents a more attractive cell design compared to conventional cells.

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**SunPower’s High Efficiency Advantage**

![Graph showing SunPower's High Efficiency Advantage](image)
**Physical Characteristics**

- **Construction:** All back contact
- **Dimensions:** 125mm x 125mm (nominal)
- **Thickness:** 165μm ± 40μm
- **Diameter:** 160mm (nominal)

**Cell and Bond Pad Dimensions**

- **Bond pad detail with positive indicator**
  - Dimensions in mm: 38.5 x 38.5
  - Positive bond pads are 7.1mm x 7.1mm.
  - Positive pole bond pad side has “+” indicator on leftmost and rightmost bond pads.

**Interconnect Tab and Process Recommendations**

- Tin plated copper interconnect. Compatible with lead free process.

**Packaging**

- Cells are packed in boxes of 1,200 each; grouped in shrink-wrapped stacks of 150 with interleaving. Twelve boxes are packed in a water-resistant “Master Carton” containing 14,400 cells suitable for air transport.
- Interconnect tabs are packaged in boxes of 1,200 each.

**Electrical Characteristics of Typical Cell at Standard Test Conditions (STC)**

<table>
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<th>Bin</th>
<th>Pmpp (Wp)</th>
<th>Eff. (%)</th>
<th>Vmpp (V)</th>
<th>Impp (A)</th>
<th>Voc (V)</th>
<th>Isc (A)</th>
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<tr>
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</tr>
</tbody>
</table>

All Electrical Characteristics parameters are nominal

Unlaminated Cell Temperature Coefficients

- Voltage: -1.8 mV / °C
- Power: -0.32% / °C

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