The SunPower™ 220 Solar Panel provides a revolutionary combination of high efficiency and attractive, sleek appearance. Utilising 72 back-contact solar cells and a black backsheet, the SunPower 220 blends elegantly with the roof and delivers a total panel conversion efficiency of 17.7%. The panel’s reduced voltage-temperature coefficient and exceptional low-light performance attributes provide outstanding energy delivery per peak power watt.

### SunPower’s High Efficiency Advantage - Up to Twice the Power

<table>
<thead>
<tr>
<th></th>
<th>Thin Film</th>
<th>Conventional</th>
<th>SunPower</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Peak Watts / Panel</strong></td>
<td>65</td>
<td>170</td>
<td>220</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>9.0%</td>
<td>13.0%</td>
<td>17.7%</td>
</tr>
<tr>
<td><strong>Peak Watts / m²</strong></td>
<td>90</td>
<td>130</td>
<td>177</td>
</tr>
</tbody>
</table>

### About SunPower

SunPower designs, manufactures and delivers high-performance solar electric technology worldwide. Our high-efficiency solar cells generate up to 50% more power than conventional solar cells. Our high-performance solar panels, roof tiles and trackers deliver significantly more energy than competing systems.

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The SunPower™ 220 Solar Panel offers a combination of high efficiency and an attractive, sleek appearance. With its black backsheet and 72 back-contact solar cells, it blends well with the roof and delivers a total conversion efficiency of 17.7%. Its low-light performance and reduced voltage-temperature coefficient contribute to outstanding energy delivery per peak power watt.

### SUNPOWER™ 220 SOLAR PANEL

**EXCEPTIONAL EFFICIENCY AND PERFORMANCE**

#### BENEFITS

**Highest Efficiency**
SunPower™ Solar Panels are the most efficient photovoltaic panels on the market today.

**Attractive Design**
Unique design combines high efficiency and a sleek, black appearance to blend elegantly with the roof.

**More Power**
Our panels produce more power in the same amount of space—up to 50% more than conventional designs and 100% more than thin film solar panels.

**Reliable and Robust Design**
Proven materials, tempered front glass, and a sturdy anodised frame allow panel to operate reliably in multiple mounting configurations.
SUNPOWER™

220 SOLAR PANEL
EXCEPTIONAL EFFICIENCY AND PERFORMANCE

Electrical Data
Measured at Standard Test Conditions (STC): Irradiance 1000W/m², AM 1.5, and cell temperature 25°C

- Nominal Power (+5/-3%) P<sub>nom</sub> 220 W
- Rated Voltage V<sub>mpp</sub> 41.0 V
- Rated Current I<sub>mpp</sub> 5.37 A
- Open Circuit Voltage V<sub>oc</sub> 48.6 V
- Short Circuit Current I<sub>sc</sub> 5.75 A
- Maximum System Voltage IEC 1000 V
- Temperature Coefficients
  - Power -0.38% / K
  - Voltage (V<sub>oc</sub>) -132.5mV / K
  - Current (I<sub>sc</sub>) 3.5mA / K
- NOCT 46° C +/−2° C
- Series Fuse Rating 20 A
- Limiting Reverse Current (3-strings) I<sub>R</sub> 14.4 A

Electrical Data
Measured at Nominal Operating Cell Temperature (NOCT): Irradiance 800W/m², AM 1.5

- Nominal Power P<sub>nom</sub> 161 W
- Rated Voltage V<sub>mpp</sub> 37.4 V
- Rated Current I<sub>mpp</sub> 4.31 A
- Open Circuit Voltage V<sub>oc</sub> 45.4 V
- Short Circuit Current I<sub>sc</sub> 4.66 A

Solar Cells 72 SunPower all-back contact monocrystalline
Front Glass High transmission tempered glass
Junction Box IP-65 rated with 3 bypass diodes 32 x 155 x 128 (mm)

Dimensions

Mechanical Data
- Output Cables 1000mm length cables / MultiContact (MC4) connectors
- Frame Anodised aluminium alloy type 6063 (black)
- Weight 15.0 kg

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
Visit sunpowercorp.com for details

sunpowercorp.com
Australia: sunpowercorp.com.au

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