More Power

Deck space is valuable. Make it count with SunPower flexible panels using SunPower prime cells—delivering the highest efficiency silicon cells on the market.¹

- 22–25% efficient cells mean higher power production and faster battery charging times
- Flexible up to 30 degrees, so you can maximize available space

Higher Quality

SunPower-branded flexible panels are built in the same factories as our industry-leading framed panels. Don’t trust your power needs to anything less!

- Mostly automated production processes ensure consistent quality
- Manufacturer’s warranty: 5 Year Power; 2 Year Product
- Designed in California; manufactured in SunPower global factories, including France and the Philippines

Trusted Solar Provider

Solar is all we do. That’s why for over 30 years we’ve led the way with innovative solutions, record-breaking technologies and superior service.

- 750+ solar patents; #1 in R&D spending for crystalline solar²
- More than 32 million solar panels deployed worldwide
- Backed by Total, the 4th largest public energy company in the world³

sunpower.com/flex

While panels may look similar, their performance can vary dramatically. That’s why you should always look for the SunPower logo. Only SunPower-branded panels are powered by SunPower® prime cells, manufactured in SunPower factories with SunPower materials and backed by SunPower’s manufacturer warranty.

Phil Sharp Racing | Zero CO₂ Emissions | 2017 Class 40 Champion
**Anatomy of a SunPower® Flexible Solar Panel**

SunPower prime cells, built on SunPower's top-performing Maxeon® technology, are an ideal solution for marine environments—featuring a durable cell design, industry-leading performance and no saltwater warranty exclusions. Available exclusively on SunPower-branded panels.

![SunPower® Maxeon® Cell](image)

**Copper foundation** is nearly impervious to heat and humidity

**Durable cell design** flexes in fluctuating temperatures—while other cells break

**Unique cell architecture** performs better than conventional panels in cloudy weather and partial shade

**Converts more sunlight** starting earlier and lasting later in the day than conventional panels

---

**Designed for Life at Sea**

- Incredibly space efficient, thanks to exclusive SunPower prime cells with industry-best 22-25% efficiency
- Lightweight design, easy attachment grommets
- Flexible up to 30 degrees
- Compatible with 12V and 24V batteries

**Better Product, Better Warranty**

- 5 Year Power; 2 Year Product
- No saltwater exclusion

---

**Want the best?** Look for the SunPower logo.

**50W**

556 x 653 mm

25.5 x 21.9 inches

**100/110W**

556 x 1165 mm

45.9 x 21.9 inches

---

**Cells Used**

<table>
<thead>
<tr>
<th>SunPower-Branded Flexible Panel</th>
<th>Unbranded Flexible Panel w/ SunPower Cells</th>
<th>Front Contact Flexible Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SunPower prime cells</td>
<td>Maxeon® non-prime cells</td>
<td>Conventional front contact cells</td>
</tr>
</tbody>
</table>

**Cell Efficiency**

<table>
<thead>
<tr>
<th>SunPower-Branded Flexible Panel</th>
<th>Unbranded Flexible Panel w/ SunPower Cells</th>
<th>Front Contact Flexible Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>22–25%</td>
<td>19–21%</td>
<td>17–19%</td>
</tr>
</tbody>
</table>

**Durability**

<table>
<thead>
<tr>
<th>SunPower-Branded Flexible Panel</th>
<th>Unbranded Flexible Panel w/ SunPower Cells</th>
<th>Front Contact Flexible Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nearly impervious to cracking and corrosion</td>
<td>Resistant to cracking and corrosion</td>
<td>More vulnerable to cracking and corrosion</td>
</tr>
</tbody>
</table>

**Warranty**

<table>
<thead>
<tr>
<th>SunPower-Branded Flexible Panel</th>
<th>Unbranded Flexible Panel w/ SunPower Cells</th>
<th>Front Contact Flexible Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Year Power; 2 Year Product</td>
<td>0–5 Year</td>
<td>Typically 0-2 Year</td>
</tr>
</tbody>
</table>

**Panel Manufacturer**

<table>
<thead>
<tr>
<th>SunPower-Branded Flexible Panel</th>
<th>Unbranded Flexible Panel w/ SunPower Cells</th>
<th>Front Contact Flexible Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SunPower</td>
<td>3rd Party Manufacturer</td>
<td>3rd Party Manufacturer</td>
</tr>
</tbody>
</table>

**Cell Manufacturing Capacity / Year**

<table>
<thead>
<tr>
<th>SunPower-Branded Flexible Panel</th>
<th>Unbranded Flexible Panel w/ SunPower Cells</th>
<th>Front Contact Flexible Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,400 MW</td>
<td>5-10 MW</td>
<td>~1 MW</td>
</tr>
</tbody>
</table>

**Manufacturing Process**

<table>
<thead>
<tr>
<th>SunPower-Branded Flexible Panel</th>
<th>Unbranded Flexible Panel w/ SunPower Cells</th>
<th>Front Contact Flexible Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mostly automated; consistent quality</td>
<td>Mostly manual; quality more prone to human error</td>
<td>Mostly manual; quality more prone to human error</td>
</tr>
</tbody>
</table>

**Manufacturing Certificates**

<table>
<thead>
<tr>
<th>SunPower-Branded Flexible Panel</th>
<th>Unbranded Flexible Panel w/ SunPower Cells</th>
<th>Front Contact Flexible Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO9001, ROHS</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

---

1 Bases on survey of datasheet values from websites of top 20 manufacturers per IHS, as of January 2018.
4 PVEL Test Reports R671F1 and R671H1
5 PV Evolution Labs “SunPower Shading Study,” 2013. Compared to a conventional front contact panel.
6 National Renewable Energy Lab measurements “Full, Gen C Bin II.” Conventional solar panel defined as a front contact cell-based technology.
7 Batteries sold separately. Please check battery specifications to ensure compatibility.

© 2018 SunPower Corporation. All Rights Reserved. SUNPOWER, the SUNPOWER logo and MAXEON are registered trademarks of SunPower Corporation in the U.S. and other countries as well.