

NEW SunPower® Flexible Solar Panels



Phil Sharp Racing | Zero CO2 Emissions | 2017 Class 40 Champion
© www.philsharpracing.com | Image depicts non-standard flexible panels,
not available for sale. For more information visit www.philsharpracing.com.

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.

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

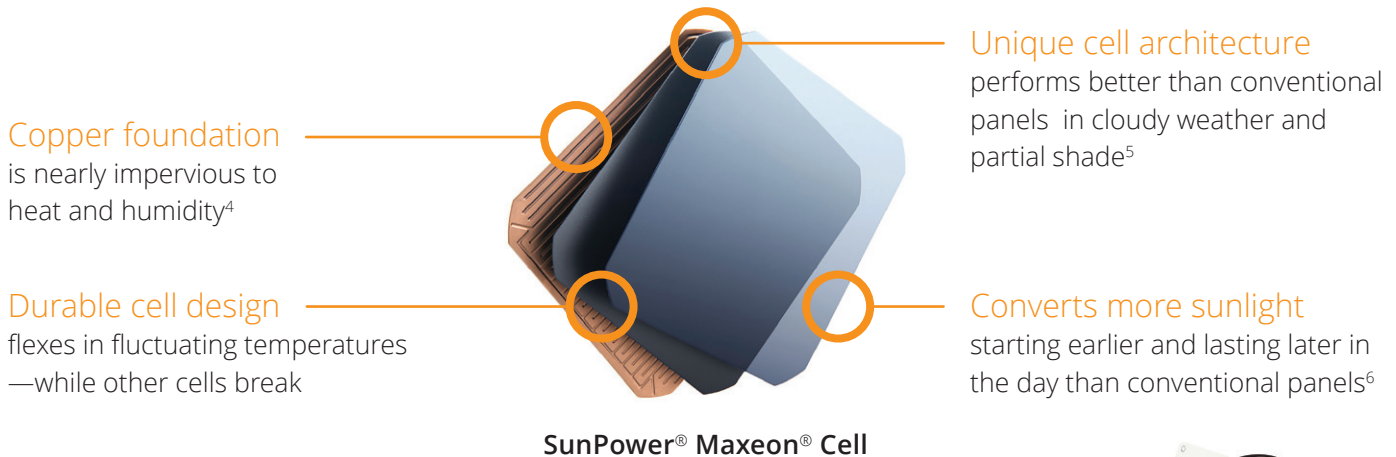
Trusted Solar Provider

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

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.



Designed for Life at Sea

- Incredibly space efficient, thanks to exclusive SunPower prime cells with industry-best 22-25% efficiency¹
- Lightweight design, easy attachment grommets
- Flexible up to 30 degrees
- Compatible with 12V and 24V batteries⁷

Better Product, Better Warranty

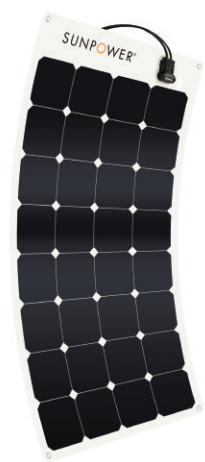
- 5 Year Power; 2 Year Product
- No saltwater exclusion

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

	SunPower-Branded Flexible Panel	Unbranded Flexible Panel w/ SunPower Cells	Front Contact Flexible Panel
Cells Used	Maxeon® prime cells	Maxeon® non-prime cells	Conventional front contact cells
Cell Efficiency	22–25%	19–21%	17–19%
Durability	Nearly impervious to cracking and corrosion	Resistant to cracking and corrosion	More vulnerable to cracking and corrosion
Warranty	5 Year Power; 2 Year Product	0–5 Year	Typically 0-2 Year
Panel Manufacturer	SunPower	3rd Party Manufacturer	3rd Party Manufacturer
Cell Manufacturing Capacity / Year	1,400 MW	5-10 MW	~1 MW
Manufacturing Process	Mostly automated; consistent quality	Mostly manual; quality more prone to human error	Mostly manual; quality more prone to human error
Manufacturing Certificates	ISO9001, ROHS	Unknown	Unknown

1 Bases on survey of datasheet values from websites of top 20 manufacturers per IHS, as of January 2018.
 2 Heslin Rothenberg Farley & Mesiti P.C. (2016). Clean Energy Patent Growth Index: 2015 Year in Review.
 3 Source: The World's Largest Public Companies, 2018 Ranking, Forbes.
 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 I1." Conventional solar panel defined as a front contact cell-based technology.
 7 Batteries sold separately. Please check battery specifications to ensure compatibility.
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