SunPower Performance Panels

For Commercial and Residential Installations

SunPower Performance panels combine conventional front contact mono PERC solar cells with 35 years of SunPower materials and manufacturing expertise to maximise panel performance and reliability in an innovative shingled cell form factor.

The performance you want

Up to 8% more energy in the same space over 25 years compared to Conventional mono PERC Panels.[1]

The reliability you need

Backed for 25 years by the SunPower Complete Confidence Panel Warranty.[2]

The durability you expect

Engineered to stand up to environmental stresses such as daily temperature swings, shading and high humidity.

The elegance you deserve

Designed to blend beautifully into any roof.

SUNPOWER

PERFORMANCE

Take Control of Your Energy Costs

Rising electricity costs are a reality faced by everyone. But what if you could take control of your energy supply—now, and for decades to come.

Since 1985, SunPower solar panels have delivered industry-leading innovation to customers worldwide, and are ready to help you take control of your energy future today.

Innovative products

SunPower innovation is the result of the largest R&D investment in solar, and has been awarded more than 900 patents, offering one of the most advanced product portfolios in the industry.[3]

SunPower Performance panels represent the leading shingled cell technology on the market and are protected by more than 90 patents worldwide covering cell and panel design, as well as key manufacturing tools and processes.

Deep experience

Over the course of 35 years, 13 GW of SunPower technology has been deployed globally, including more than 3 GW of SunPower Performance Panels, offsetting the equivalent emissions from burning nearly 32 million metric tonnes of coal.[4]

Extraordinary value

SunPower panels maximise the value of your system by combining high-quality solar technology with 25-year power, product and service warranty coverage.

Trusted bankability

SunPower technology benefits from the financial strength and backing of Total S.A., the 4th largest public energy company in the world.[5]

True sustainability

SunPower panels adhere to the highest sustainability standards and practices to help you achieve your sustainability goals in the most efficient manner.

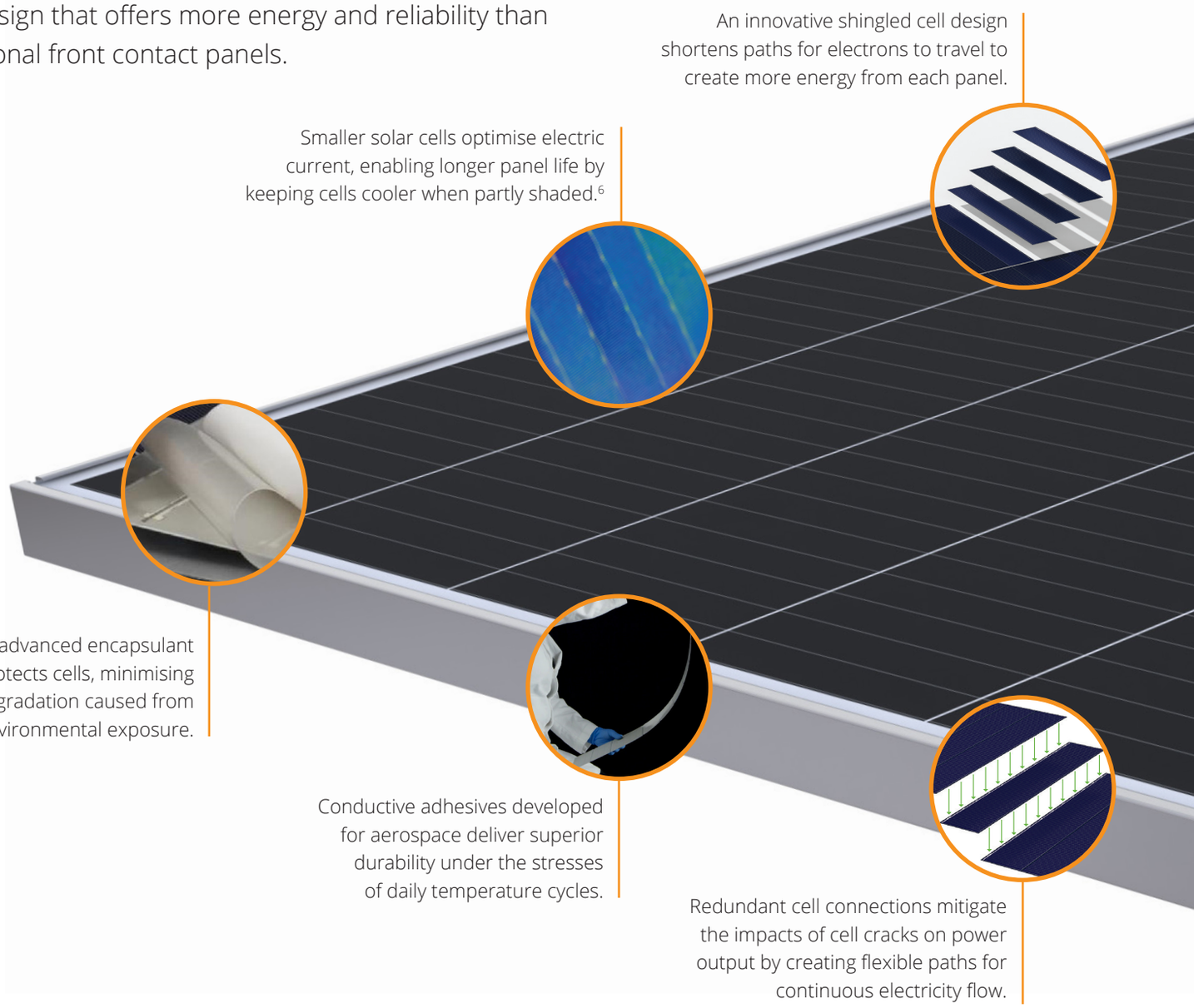
Energy leaders trust SunPower

Leading companies, utilities and homeowners around the world choose SunPower technology.

SUNPOWER | PERFORMANCE

Making the conventional, exceptional

SunPower Performance panels use an innovative shingled cell design that offers more energy and reliability than traditional front contact panels.



An innovative shingled cell design shortens paths for electrons to travel to create more energy from each panel.

Smaller solar cells optimise electric current, enabling longer panel life by keeping cells cooler when partly shaded.[6]

An advanced encapsulant protects cells, minimising degradation caused from environmental exposure.

Conductive adhesives developed for aerospace deliver superior durability under the stresses of daily temperature cycles.

Redundant cell connections mitigate the impacts of cell cracks on power output by creating flexible paths for continuous electricity flow.

	EFFICIENCY	POWER
Residential Installations	UP TO **19,9%**	**315-390W**
Commercial Installations	UP TO **20,4%**	**405-420W**

Note: Panel model availability may vary by market.

SunPower Complete Confidence Panel Warranty

A better warranty starts with a better product

SunPower panels are precision-engineered to deliver more energy and reliability over time. Each panel is backed by the industry-leading 25-year coverage of the SunPower Complete Confidence Panel Warranty.

Power

Higher power output than conventional power warranties.

Product

Coverage for defects related to workmanship and materials extends for 25 years, versus the 10 years typically offered with conventional panels.

Service

Hassle-free repair, replacement or reimbursement for any defective panel for 25 years.[7]

Take the next step

Industry-leading SunPower solar technology delivers the highest standard of quality and performance.

Your SunPower authorised partner is uniquely qualified to deliver on your energy goals and facilitate a solution that's right for your needs and budget.

Ready to go solar?

To learn more about SunPower visit: **sunpower.maxeon.com**

SUNPOWER

FROM MAXEON SOLAR TECHNOLOGIES

1 SunPower 425 W, 20.6% efficient, compared to a Conventional Panel on same-sized arrays (370 W mono PERC, 19% efficient, approx. 1.94 m²), 0.25%/yr slower degradation rate (Jordan, et. al. Robust PV Degradation Methodology and Application. PVSC 2018).
2 The Complete Confidence Panel Warranty is a Maxeon Solar Technologies warranty available for its SunPower panels sold by SunPower distributors or sold and installed by SunPower authorised installation partners. For more information about the warranty terms and conditions available in your country, visit maxeon.com/legal.
3 SunPower technology has the highest R&D investment for silicon based solar. Based on cumulative investment from 2007 through 2018. Osborne. "R&D spending analysis of 21 PV manufacturers." PVTech.com. 2019. Maxeon Solar Technologies holds over 600 solar patents and licenses over 300 solar patents from SunPower Corporation.
4 United States Environmental Protection Agency Greenhouse Gas Equivalencies Calculator, https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator, December, 2019.
5 The World's Largest Oil & Gas Companies 2020. Forbes Global 2000.
6 SunPower Performance Series – Thermal Performance, Z.Campeau 2016.
7 In Europe, service is applicable only to PV Module originally installed in Belgium, France, Germany, Italy, The Netherlands, or the United Kingdom. Scope of warranty coverage varies by country. For more information about the warranty terms and conditions available in your country, visit maxeon.com/legal.

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