



**Powerful. Reliable. Sustainable.**

**SUNPOWER** | FROM MAXEON  
SOLAR TECHNOLOGIES

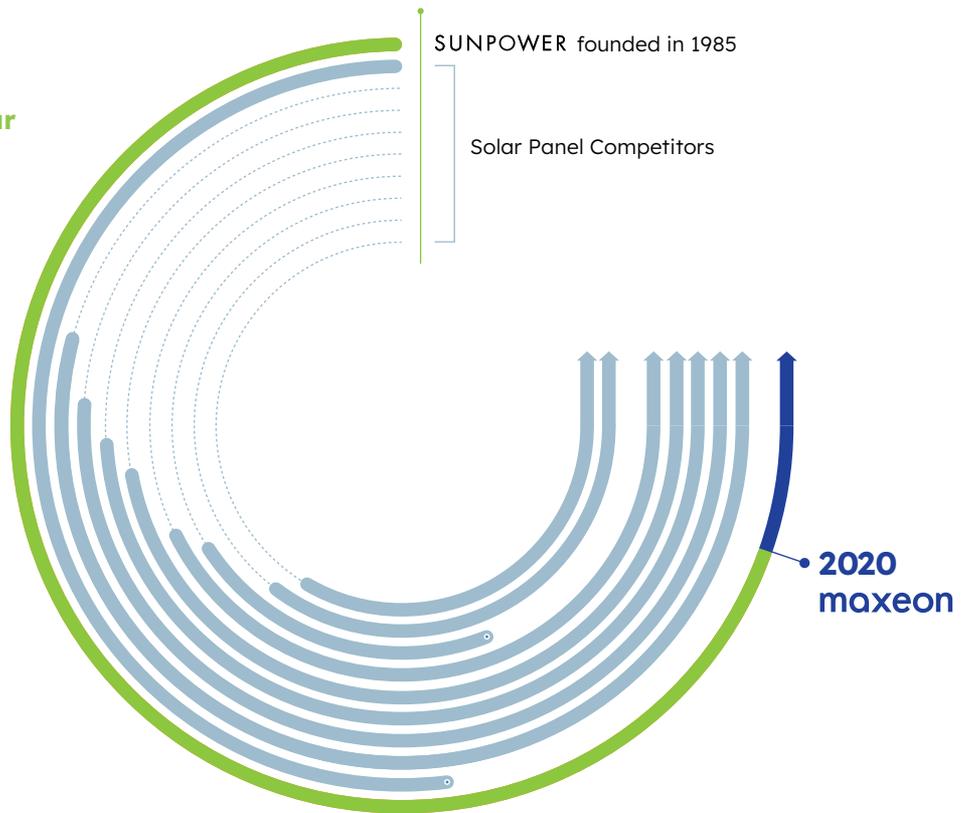
# Company profile

We design and build industry-leading SunPower solar cells and panels.



**Maxeon Solar Technologies has been designing and building industry-leading SunPower solar cells and panels over its 35+ year history.**

- NASDAQ Listed (MAXN).
- Global headquarters in Singapore.
- Over 1,400+ patents.
- Present in 100+ countries.
- Network of 1700+ partners.
- Signatory of the United Nations Global Compact.



**Global development & manufacturing locations**

**Maxeon Solar Technologies, Ltd.**



**Manufacturing capacity** **Malaysia, Philippines, Mexico, China**  
IBC<sup>2</sup>: 1 GW | Performance Series: 12GW in 2022 with expansion plans in 2023

1. China production is for the shingled Mono PERC Performance line as part of a joint venture.  
2. IBC: Interdigitated Back Contact ("IBC") technology.

# Maxeon sustainability milestones



2020

- **Establishes new ESG team**  
Dedicates team with global and local diversified ESG experiences.
- **Joins United Nations Global Compact**  
Issues CEO Letter of Commitment on our support of the SDGs.



**United Nations**  
Global Compact



2022 H1



- **Winner, 2021 Asia Sustainability Reporting Awards, Best Sustainability Report (Human Rights), Silver**
- **Modern slavery statement**  
Files its inaugural Modern slavery statement in 2022 which aligns with Australia, California and United Kingdom reporting standards.
- **Publishes 2nd sustainability report**
- **Energy payback time assessment**

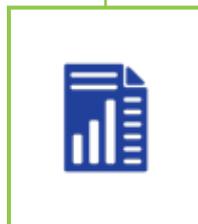


Scan to read our  
Modern Slavery  
Statement

Scan to read our  
Sustainability  
Report



- **Inaugural sustainability report**  
Completes a benchmarking exercise and materiality assessment to shape our ESG focus areas and sustainability report.
- **Conflict minerals reporting**  
Completes first conflict minerals disclosure report post-spinoff.
- **Green finance reporting (and sustainability-linked loans)**
- **Target setting for material topics**  
Develops long-term targets around material topics by the end of 2021.



2021



## 2022 H2

- **Green Bond framework & Final Green Finance reporting (with external assurance)**
- **Cradle to Cradle Silver<sup>1</sup>** 
- **Launch of Maxeon gives**  
A platform for employees to nominate solar panels donations.
- **Maxeon becomes an audited supplier through Sedex**  
Largest global ethical sourcing platform for purchasers and suppliers which uses a 4 pillar SMETA auditing methodology to evaluate labour, health and safety, environmental impact & business ethics.
  - China JV factory audited and results published on Sedex website.
  - Annual follow-up audits.



Find out more about SEDEX

1. Available only for SunPower Maxeon Products

## 2025

- **Named by Corporate Knights a Top 100 Most Sustainable Company**



- **Joins CFO coalition for the SDGs**



**CFO COALITION FOR THE SDGS**

- **Taskforce on climate-related financial disclosures**
- **Carbon disclosure project**

- **Climate risks (FCFD) framework and CDP disclosures**
- **Publish powering a circular economy policy<sup>2</sup>**
- **Develop decarbonization plans**
- **Develop net zero carbon roadmap**

2. Available only for SunPower Maxeon Products



## 2023



## Tomorrow

# SunPower Maxeon panels

**Powerful. Reliable. Sustainable.**

Backed by an industry leading 40-year warranty covering power, product and service, SunPower Maxeon panels provide more lifetime energy, uncompromising durability and superior sustainability than standard panels.



### Better value

More energy for your money and higher returns for investment



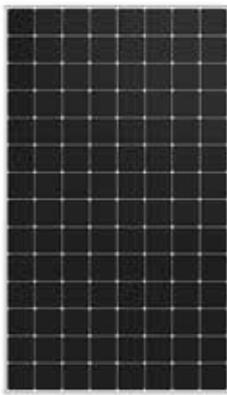
### A safer investment

Built to perform in a warming world by a company you can trust



### For a better tomorrow

Most sustainable choice in solar. Future-proof systems designed to expand with growing energy needs



**415-430W**

1812\*1046\*40

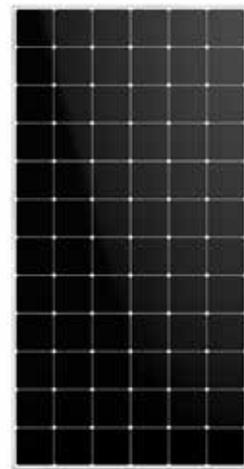
**Maxeon 3**



**420-435W**

1827\*1032\*40

**Maxeon 6 AC**

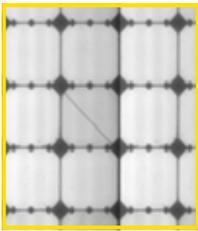
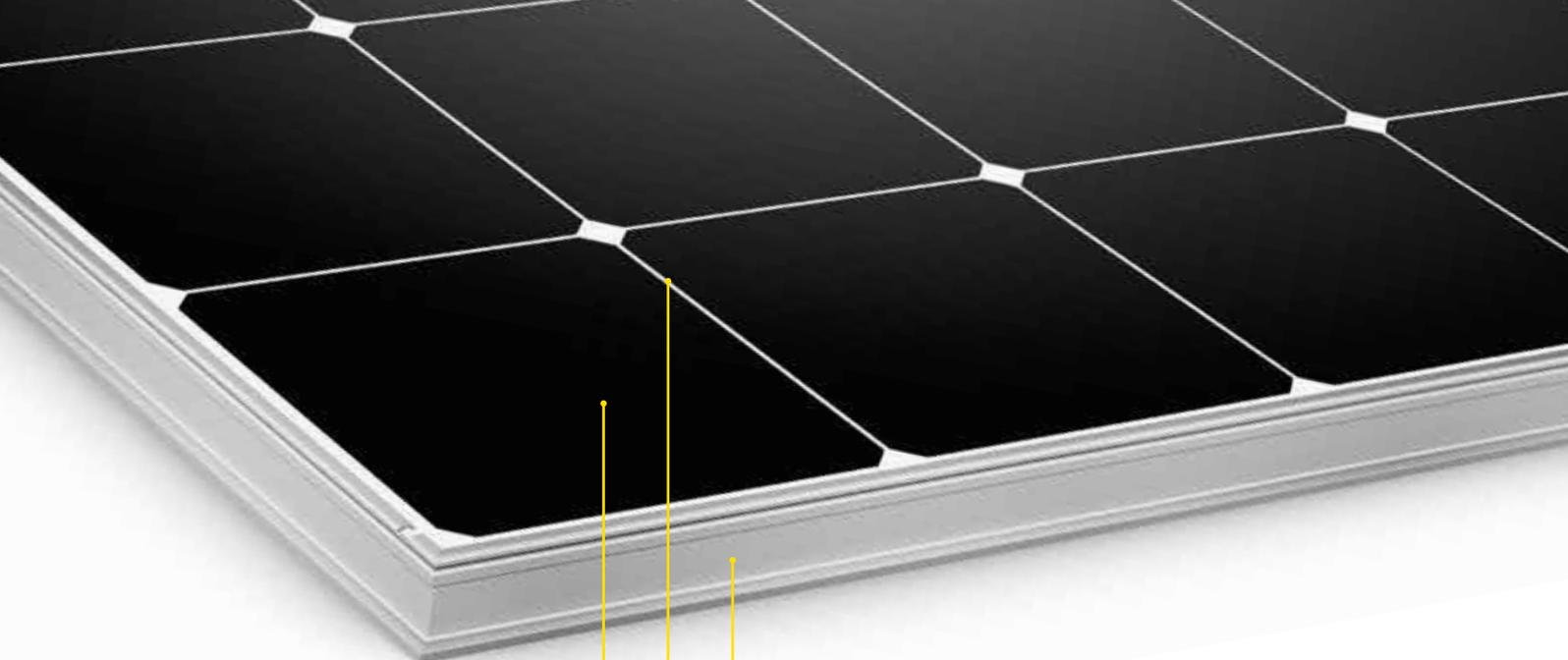


**450-475W**

2047\*1039\*35

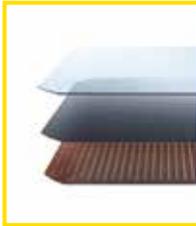
**Maxeon 6 Commercial**

Variable	Recommended application	Wattage	Cell type	Dimensions (HxWxD)	MF or BF	Warranty
Maxeon 3	Residential/Commercial	415-430w	IBC N-TYPE	1812x1046x40	MF	40/40
Maxeon 6 AC	Residential/Commercial	420-435w	IBC N-TYPE/Includes Enphase microinverter	1827x1032x40	MF	40/40/MI:25
Maxeon 6 Commercial	Commercial	450-475w	IBC N-TYPE	2047x1039x35	MF	40/40



**Even with a crack,** all parts of the SunPower Maxeon cell are running and crack is contained.

**Protective solid metal foundation** protects from cracking and creates near-continuous electrical connections.

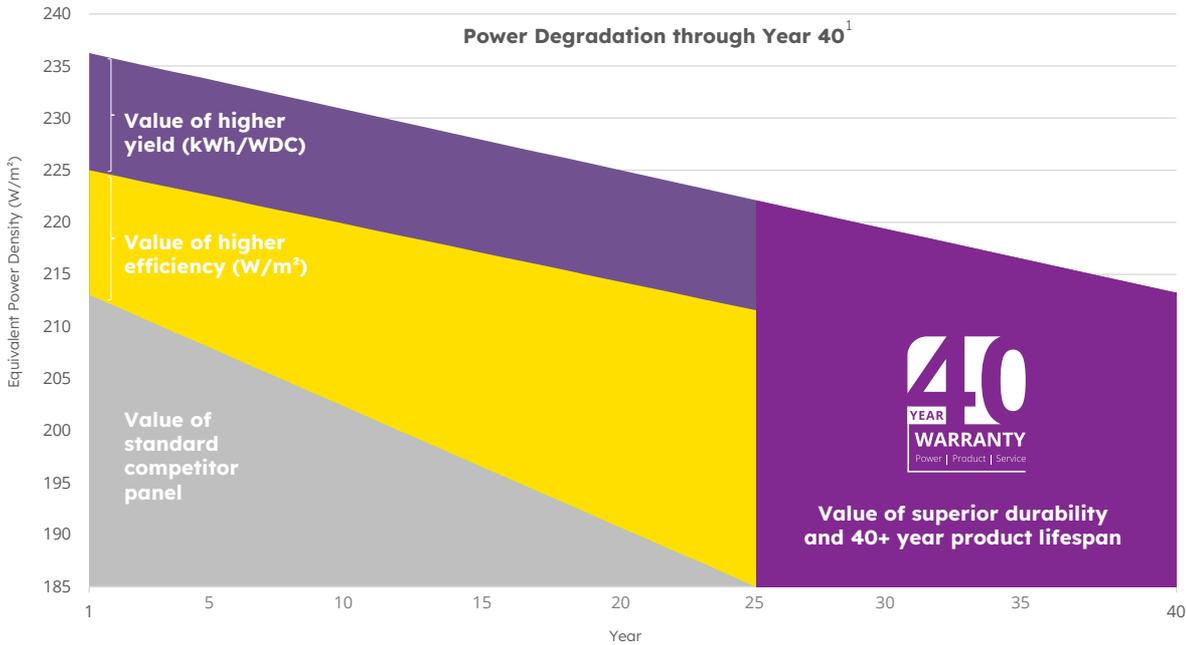


**Gaps absorb expansion** and contraction. Tabs have extra space providing room for the material to expand without imparting stress on the solder joints.



### Maxeon 40+ year lifespan advantage

Maxeon panels multiply in value over the lifetime of the system



1. SunPower Maxeon module: Maxeon 6 AC 435W; 22.5 % efficiency (.25% annual degradation rate). Conventional modules Mono PERC 415W, 21.3 % efficiency, (0.55% annual degradation rate) with leading string inverter.

# SunPower Performance panels

Making the conventional, exceptional.

The shingled layout, or hypercell, forms the unique and innovative backbone behind each Performance panel, from its durable electrically conductive adhesive (ECA) to its redundant cell connections.



## Higher efficiency at a value price

Patented technology, G12 wafers



## Enhanced energy yield

Less soiling/shading loss (row spacing), bifacial, greater power density



## Reliability advantages in harsh environments

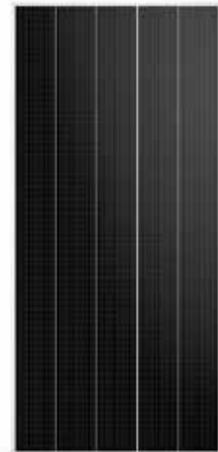
Comprehensive warranty, top module reliability performer<sup>1</sup>



**400-420W**  
1808\*1092\*30



**485-510W**  
2185\*1092\*35



**535-550W**  
2384\*1092\*35

**Performance 6 COM-XS**

**Performance 6 COM-S-BF**

**Performance 6 COM-M-BF**

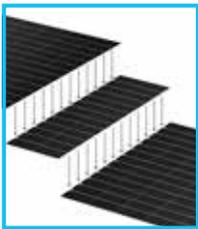
Variable	Recommended Application	Wattage	Cell Type	Dimensions (HxWxD)	MF or BF	Warranty
Performance 6 COM-XS	Commercial	400-420w	Shingled Mono PERC	1808x1092x30	MF	25/25
Performance 6 COM-S-BF	Commercial	485-510w	Shingled Mono PERC	2185x1092x35	BF	25/25
Performance 6 COM-M-BF	Commercial/Utility	535-550w	Shingled Mono PERC	2384x1092x35	BF	12/30



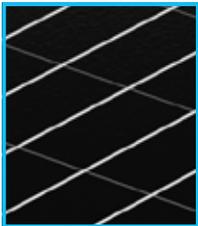
## Performance panels offer a variety of production, durability, and reliability advantages over conventional panels.



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



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

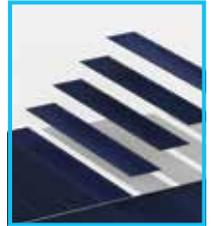


**Conductive copper wires** extract more current-producing electrons from each cell, increasing panel efficiency and power.

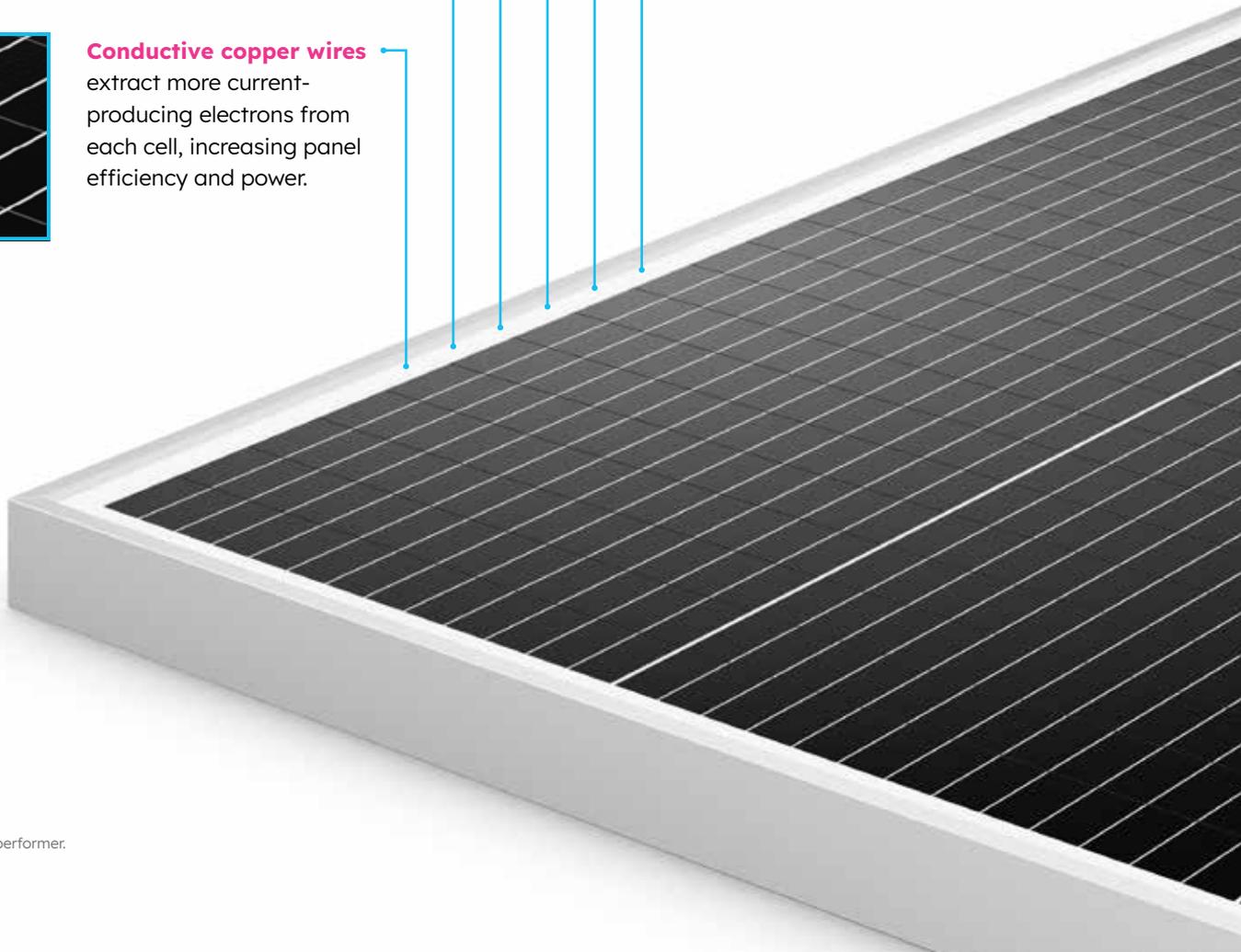
**Smaller solar cells optimise** electric current, enabling longer panel life by keeping cells cooler when partly shaded.



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



**Conductive adhesive** developed for aerospace delivers excellent durability under the stresses of daily temperature cycles.



# SunPower Performance panels

## Engineering out the vulnerabilities of conventional panels

Shingled cell panel technology uniquely engineered for more energy, greater reliability and better durability over traditional front contact panels. Highly efficient bifacial cells with a dual glass structure. It also features 25-year product and power coverage, backed by the SunPower Complete Confidence Warranty.



## Bifacial installations have greater energy yield and durability over monofacial panels.

### Energy yield advantages

can be improved by configuring installations to account for surface albedo, panel tilt, panel elevation and backside shading.

### Glass-glass construction

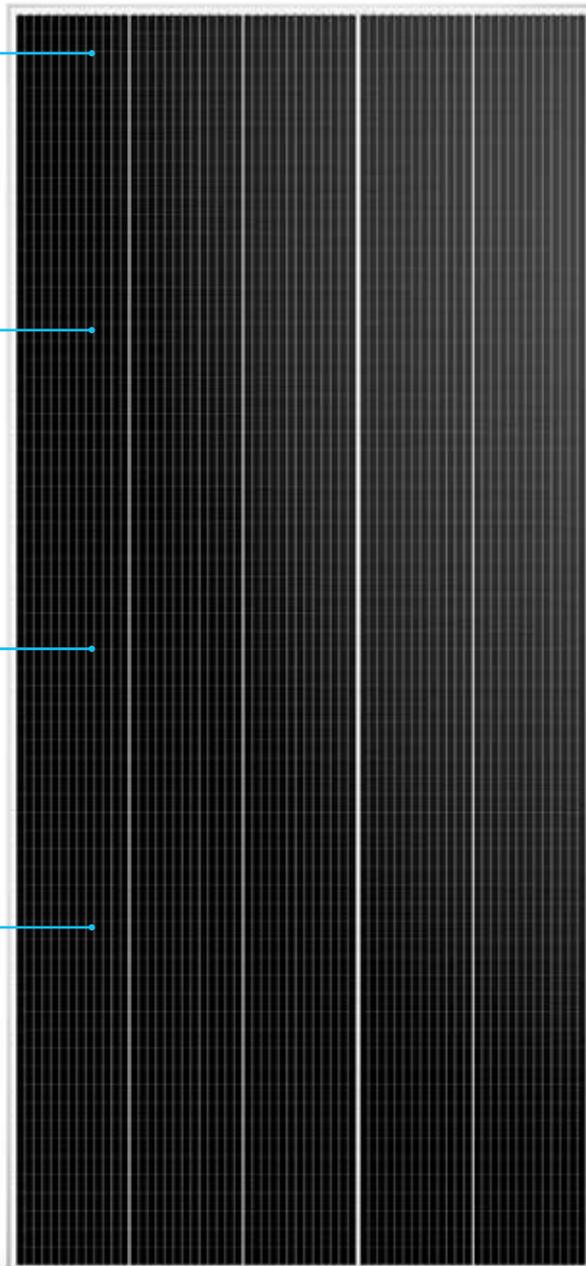
results in stronger, more durable panels that withstand the mechanical stress from shipping and installation, as well as wind and snow.

### Glass-glass encapsulation

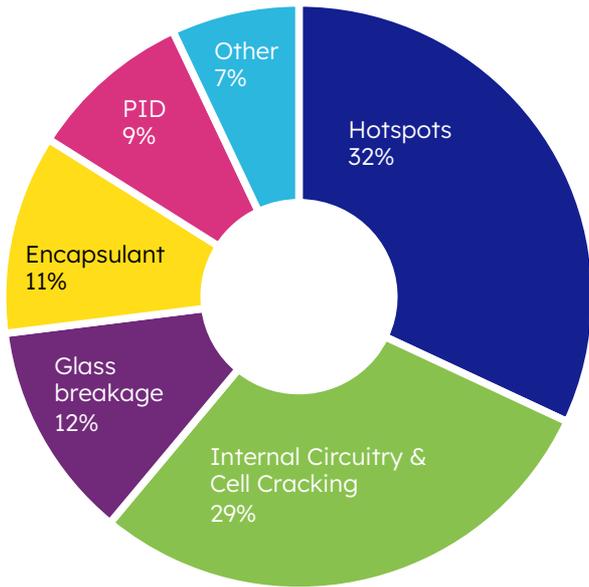
has better resistance to environmental erosion by water and salt, and prevents humidity-induced corrosion.

### Panels tend to last longer

in the field, creating more energy over an increased lifespan.



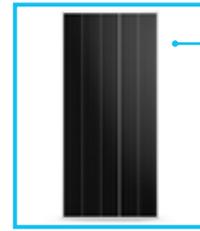
## Up to 30% of modules have issues within 10 years<sup>1</sup>



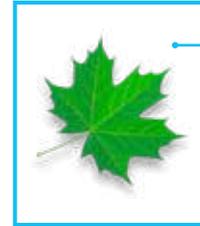
Hotspots and internal circuitry problems are the predominant issues affecting solar panel reliability over the last ten years. These issues typically result from shading and cell cracking. The results can be significant, including energy yield losses, inverter uptime issues, and even outright panel failure.

1. DuPont global PV reliability study (2020). Inspection observations based on 3GW in field. DuPont Global-Field-Reliability-Report-2020.pdf. 2. Chart source information: Jordan, D. C., Silverman, T. J., Wohlgemuth, J. H., Kurtz, S. R., and VanSant, K. T. (2017) Photovoltaic failure and degradation modes. Prog. Photovolt: Res. Appl., 25: 318– 326. doi: 10.1002/ppp.2866.

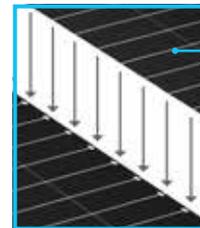
## SunPower Performance panels are engineered to eliminate common failure modes



**Avoids corrosion** with higher-quality materials and manufacturing processes.

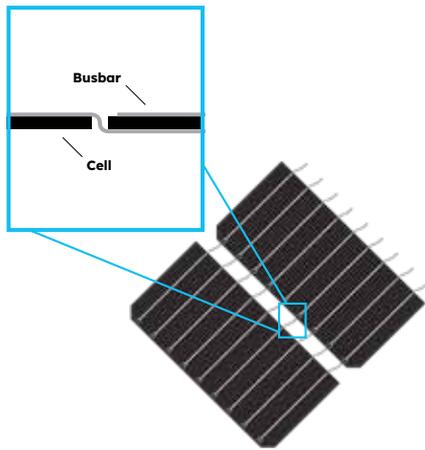


**Superior performance in shade** from soiling, falling leaves, obstructions and more.



**Uninterrupted energy flow** from redundant, non-metallic cell connections.

## Conventional Solar Cell



## SunPower Performance

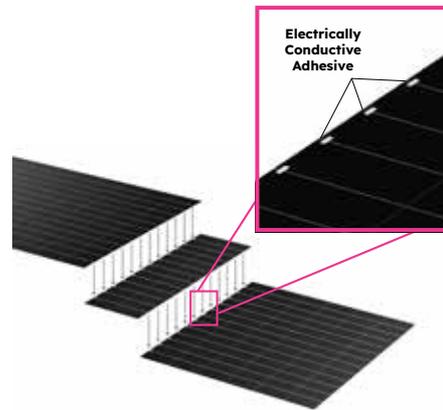
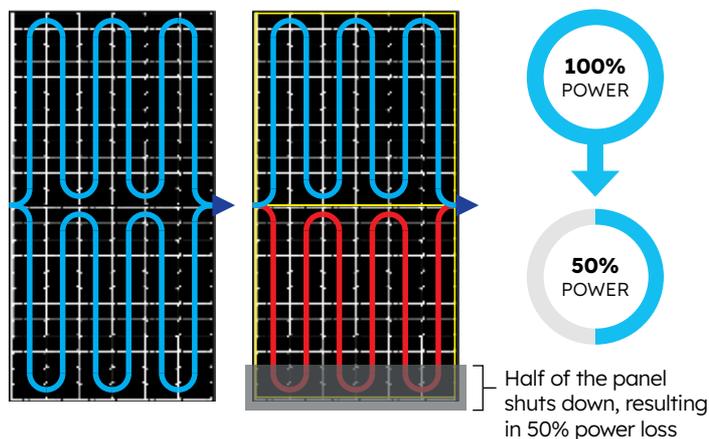


Figure 1: Performance panels eliminate the use of metallic wire cell connections—designing out one of the major failure modes of traditional cells.

## Standard Panels



## SunPower Performance Panels

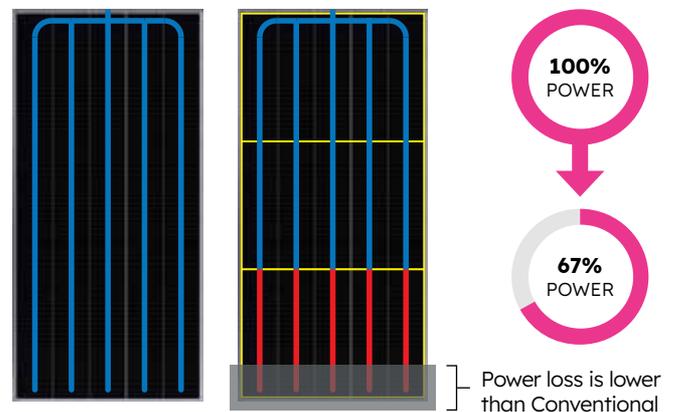


Figure 2: The Performance panel outperforms conventional panels when shaded in portrait orientation.

# Our environmental responsibility

We strive to build and install solar panels as clean as the energy they produce.



First and only major solar panel manufacturer certified for sustainable manufacturing.<sup>1</sup>



Mexico's first Zero-Waste-To-Landfill manufacturing facility in any industry – and solar's first.



SunPower Maxeon panels are the only solar panels to voluntarily carry a Declare Label for materials transparency.



Corporate Knights 2023 Top 100 Most Sustainable Company.

<sup>1</sup> Applicable to SunPower Maxeon direct current (DC) panels



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