



SunPower Performance

Commercial Solar Panels

SUNPOWER

FROM MAXEON
SOLAR TECHNOLOGIES

Outline

Solar that means business

Key benefits for customers

A deeper look

SunPower Performance technical review

Solar that means business

Benefits for customers

SunPower Performance

Commercial panels designed to meet your customer's challenges.



Reduce operating costs

The TOPCon shingled-cell design keeps cell temperatures low to produce energy yields your customer's bottom line can count on.

Secure investment in solar

Our rigorous testing, extended lifespan and 30-year warranty make it one of the most secure investments in solar. We never compromise on reliability.

Achieve corporate ESG goals

As one of the top 50 most sustainable companies,¹ Maxeon designs panels with sustainability in mind – from materials and manufacturing to conflict tracing and zero tolerance of labour rights violations.

Reduce operating costs with reliable power

SunPower Performance panels are designed to deliver high, predictable yields

Converts more sunlight into electricity, even in low light and high-temperature conditions, with TOPCon solar cells

Superior performance against shade from soiling, falling leaves, obstructions and more

Uninterrupted energy flow through flexible joint cell connections

Rigorously tested by us, validated by the experts¹



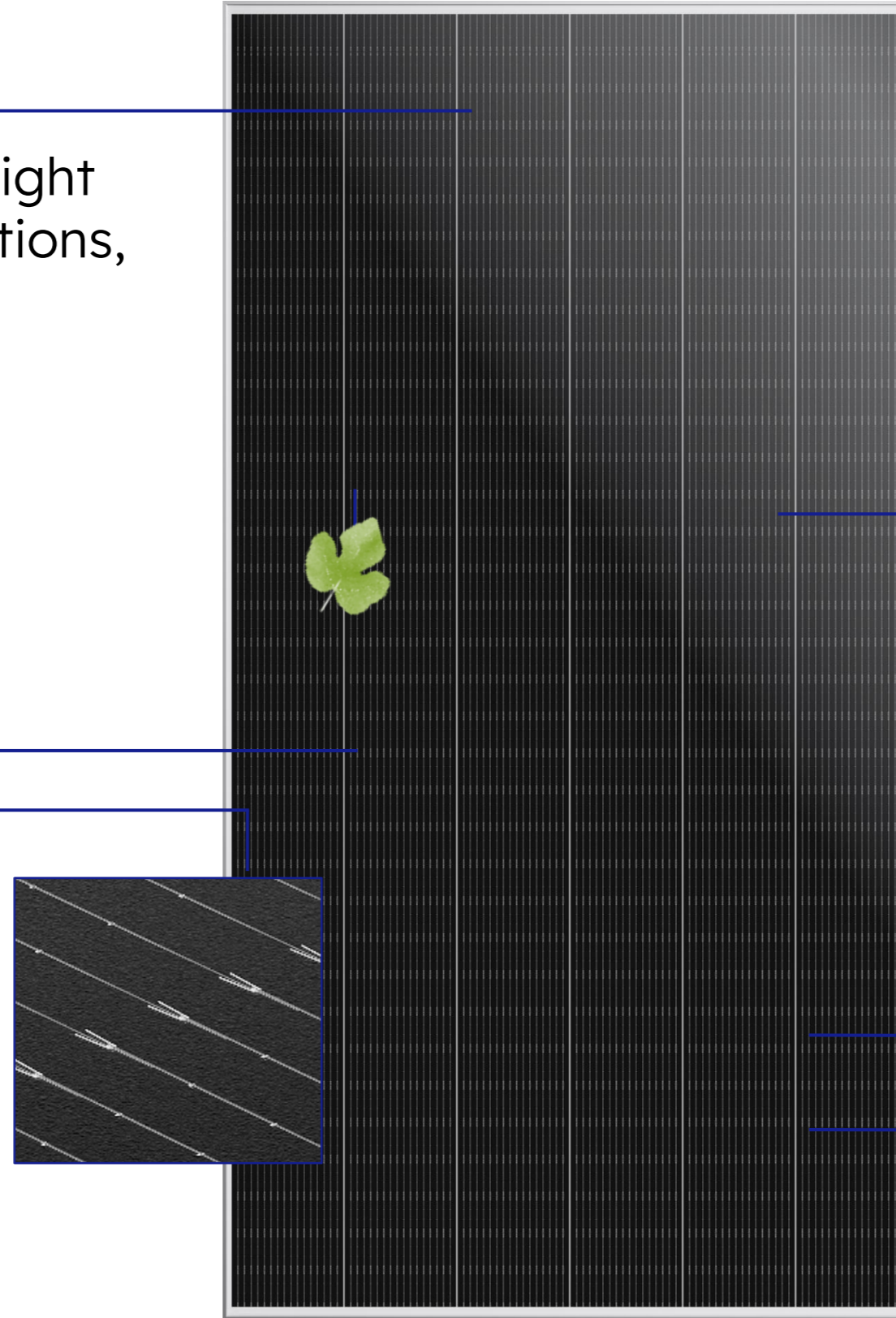
Backed up by 30-year warranty comprehensive power, product and service coverage



Hot-spot mitigation by limiting heat build-up in cells and minimising bypass diode activation

Salt and wind protective anodised frame

Hail-resistant glass-glass construction



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¹ 2023 PVEL (PV Evolution Labs) PV Module Reliability Scorecard: <https://modulescorecard.pvel.com/>

For customers that prefer products be designed and manufactured responsibly, the **Cradle to Cradle Certified®** label and certificate provide reassurance in the sustainability of Performance solar panels.



BRONZE





Let's smash ESG goals, too.

Maxeon has a proven track-record in better business practices:

- Top 50 most sustainable companies by Corporate Knights
- Transparent supply chain with a zero-tolerance policy for violations of human and labour rights
- Established Conflict Minerals Policy to support responsible mineral sourcing
- Panels are engineered to have a long product lifecycle and consistently achieve PVEL Reliability Top Performer Status
- Supply chain facilities undergo operations and working conditions audits by third-party auditors. Results are published on the Sedex platform for transparency.



**Responsible
production is
our DNA.**



Backed by a transparent and measurable warranty.

SunPower Performance panels are manufactured for long-term durability—covering defects related to workmanship and materials for a full 30 years.

This warranty also accounts for the repair, replacement or refund of any defective panel for 30 years, with removal, shipping and installation included in applicable countries.¹

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¹ Refer to the SunPower Performance panel warranty terms and conditions at:
<https://sunpower.maxeon.com/>.

Why choose SunPower Performance commercial solar panels?

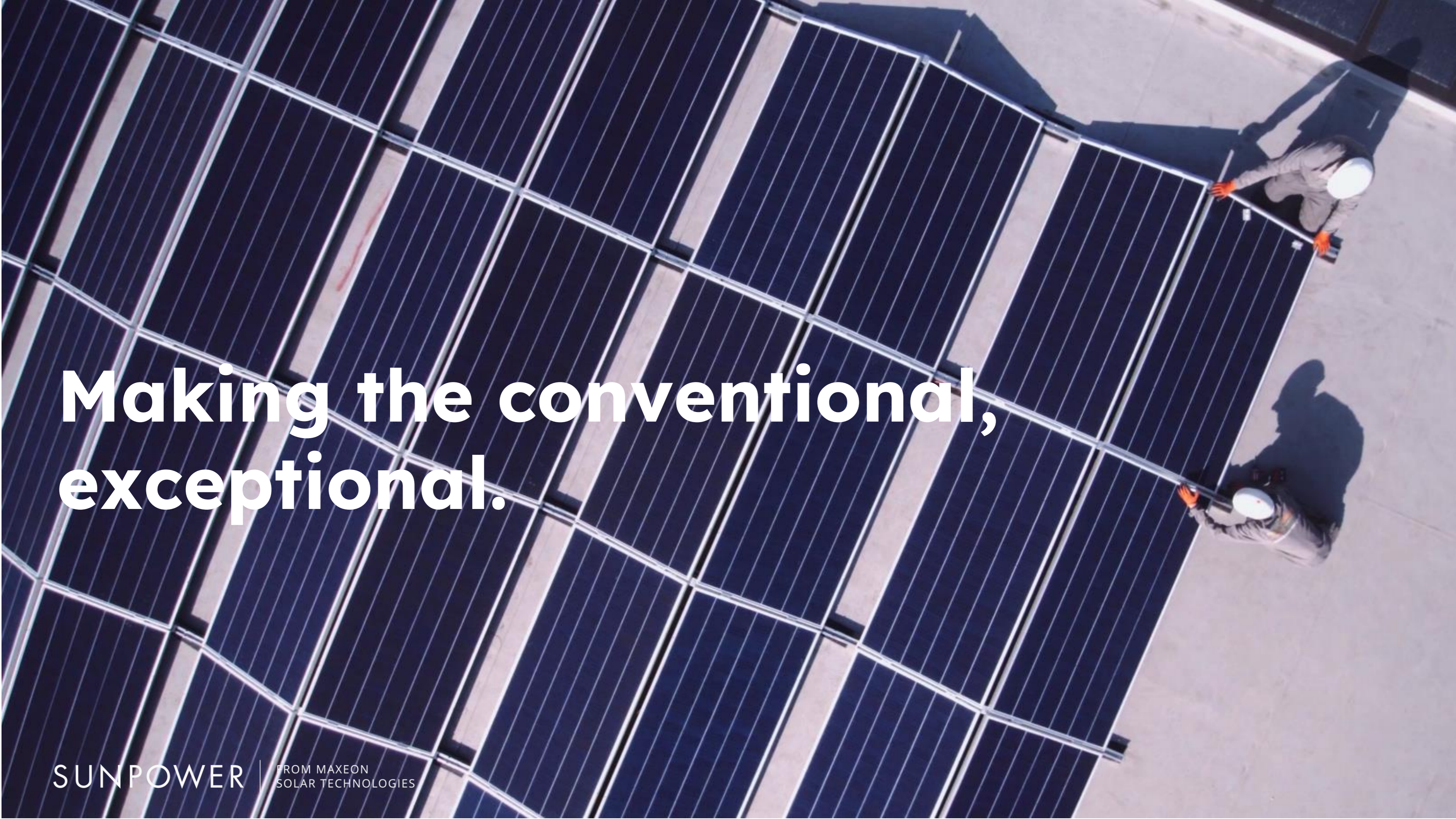


For your customers

- The shingled-cell design and TOPCon cells produce the energy yields needed to hedge future operating costs.
- Each solar investment is protected by a durable product design and 30-year comprehensive warranty covering Power, Product and Service.
- Sustainability goals are achievable through clean energy products produced from a conflict-free supply chain.

For you

- Durable design and extended product lifespan means fewer truck rolls for maintenance visits.
- The strong brand and panel reputation attract customers.
- Differentiate from common brands and panel offerings with true value.
- Warranty offering secured by a company nearing 40 years of experience.
- Potential for more referrals and business.



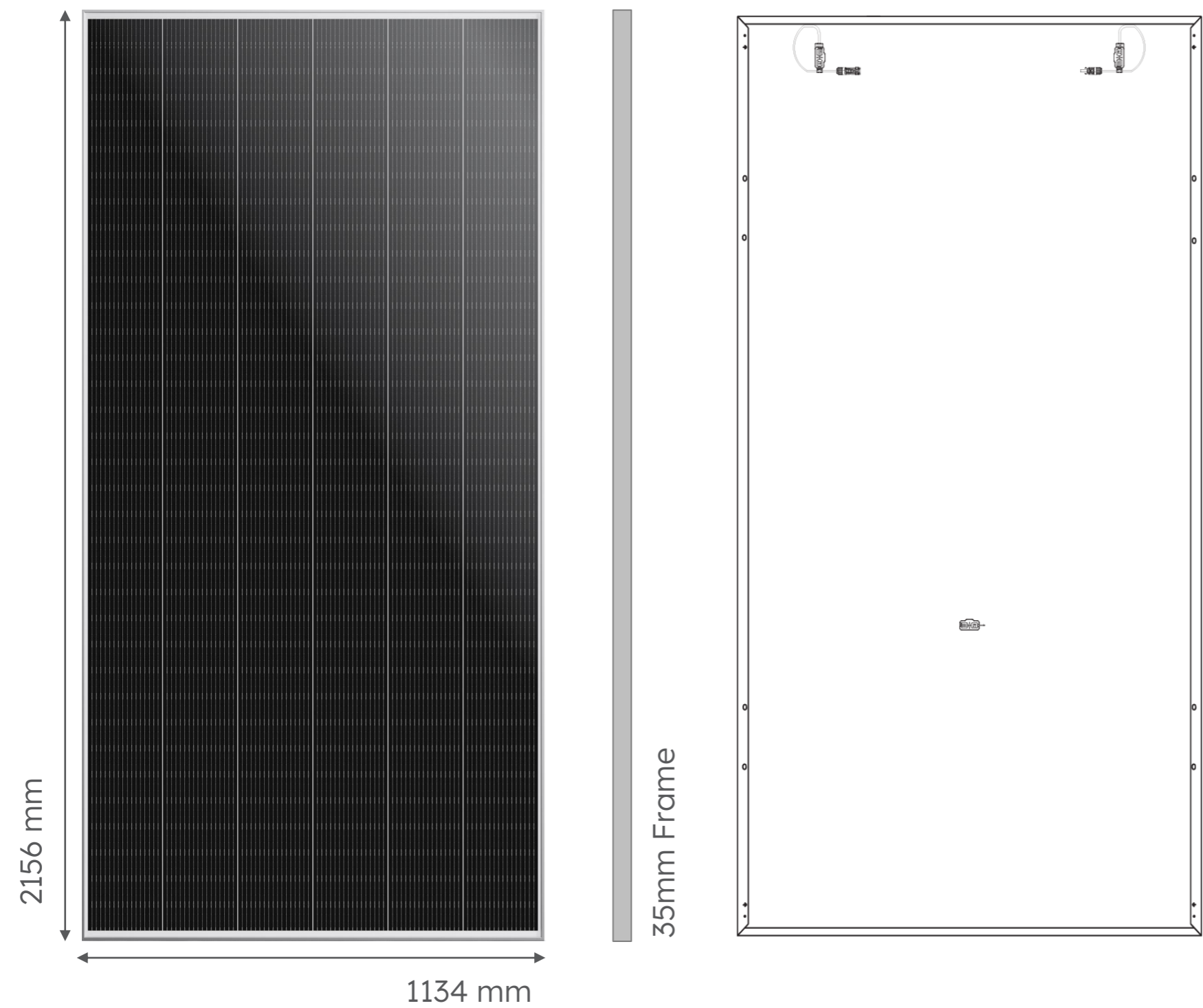
**Making the conventional,
exceptional.**

Take a deeper look

Technical Feature Review

PERFORMANCE PANEL PORTFOLIO

SunPower Performance 7 COM-S



SPR-P7-xxx-COM-S

Up to 555W | Up to 22.7% Efficient



Ideal for
Commercial
Applications



Bifacial
Generation

FEATURES

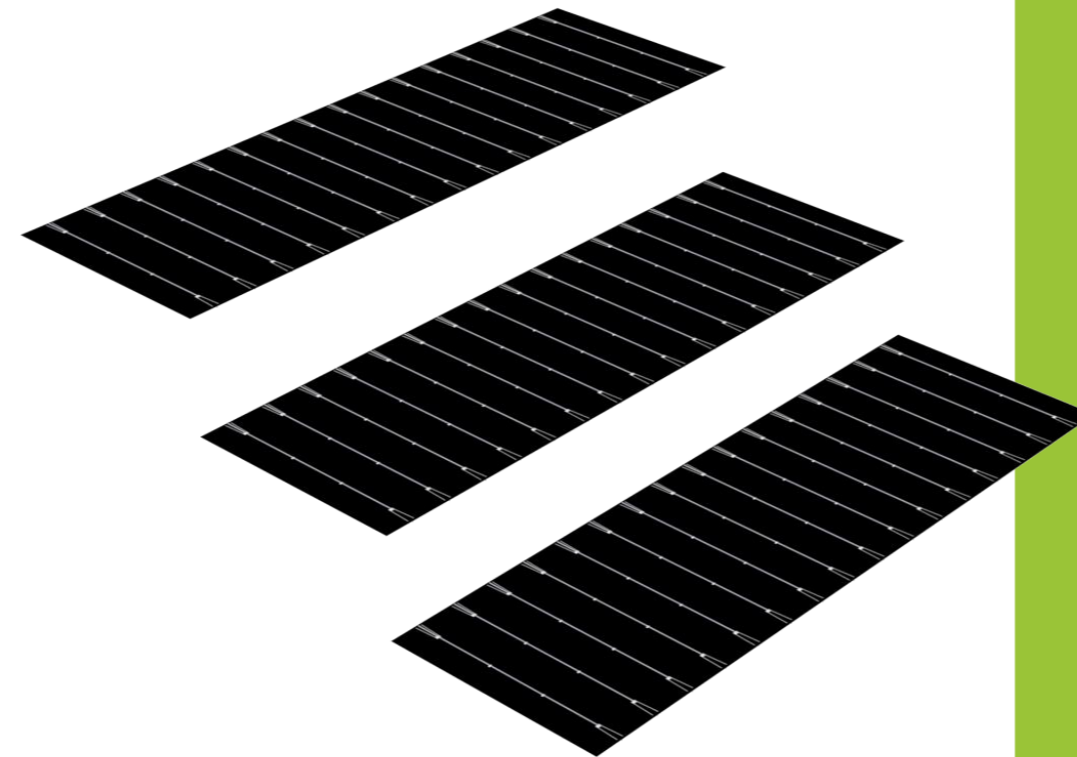
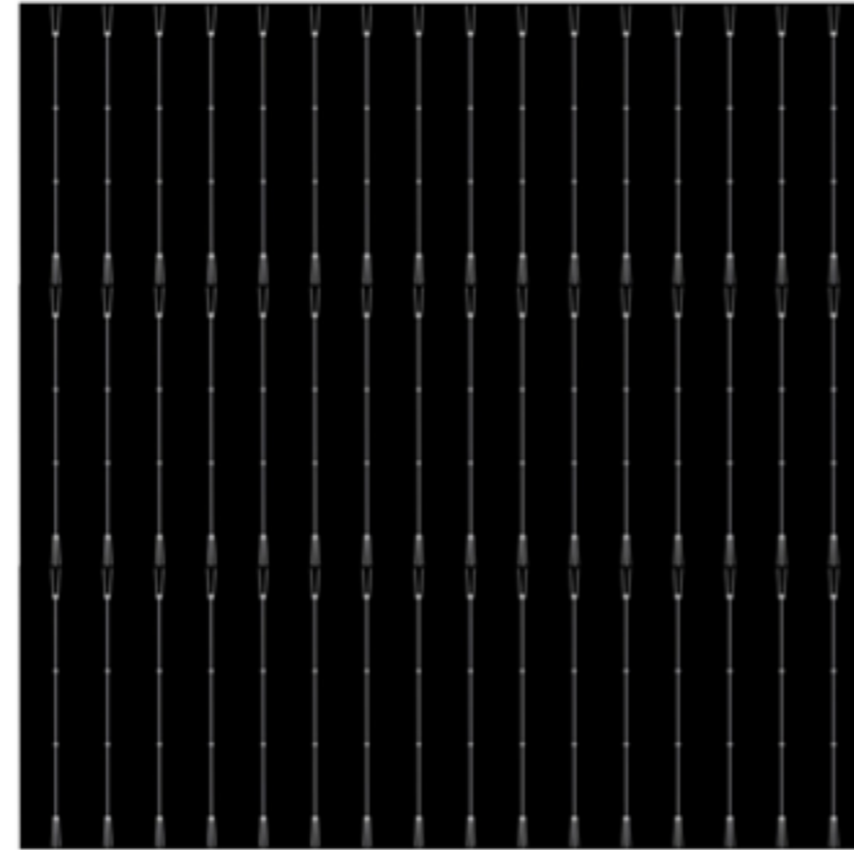
- Bifacial power generation
- Framed glass-glass construction
- Full square 182mm (G10) solar cells
- 35 mm frame
- 3 Junction boxes, 3 Diodes (1 each)
- Cables: (-) 1500 mm / (+) 1500 mm
- Connectors: EVO2

WARRANTY

Power, Product, Service	30/30/30
Year 1 min warranted output	99.0%
Maximum annual degradation	0.40%

Unique shingled-cell technology

keeps cell temperatures low to produce higher output and extend panel lifespan.



Powerful TOPCon cell type

Cutting-edge solar design.
High power and efficiency

One-third cut cells

Smaller one-third cut cells improve shade tolerance over standard solar

Reliable cell connection

A specially engineered flexible joint cell connection provides protection in demanding weather conditions

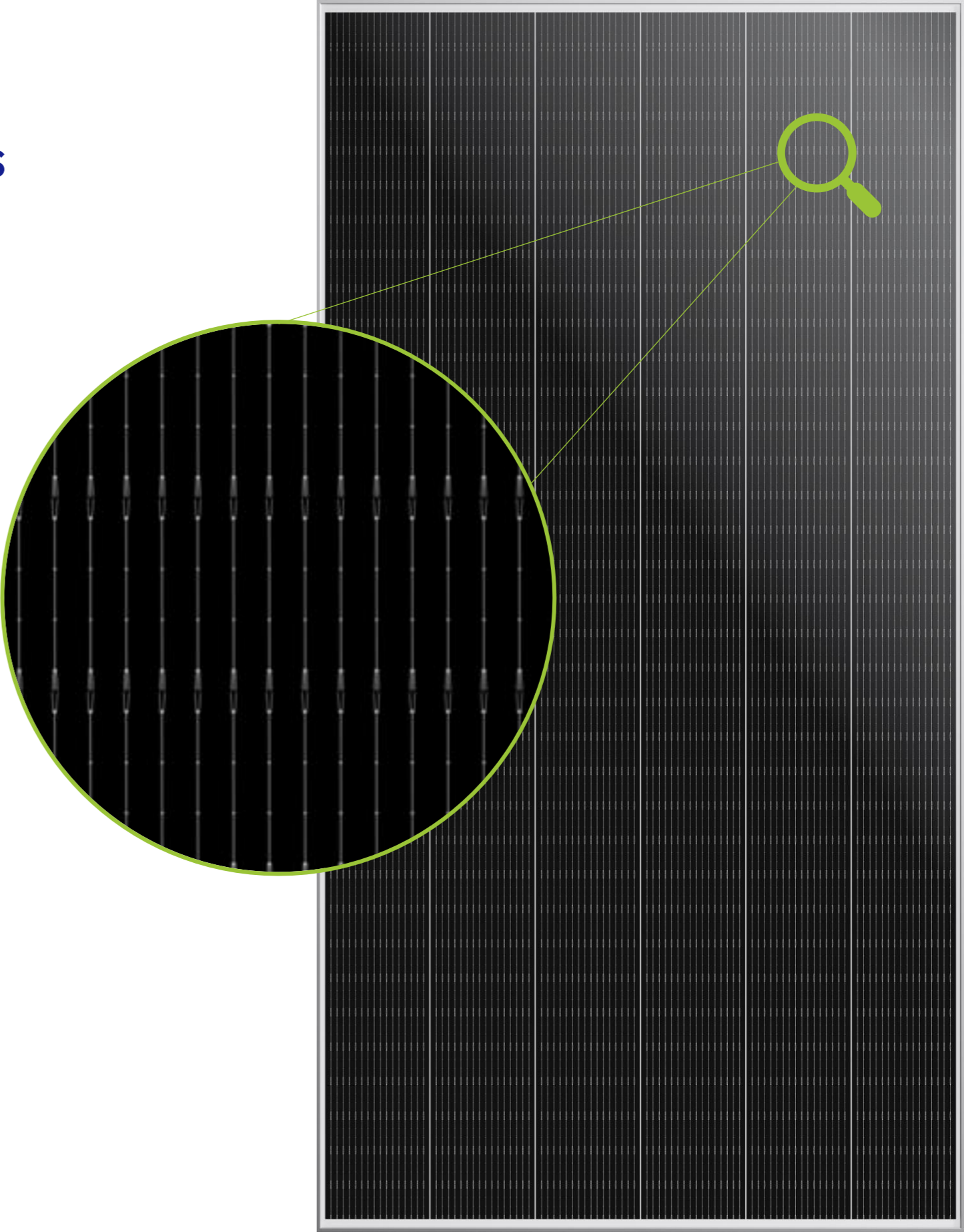
Premium panel construction

POE encapsulant, heat-strengthened glass, and durable glass-glass construction support long-term reliability and production

WHAT’S THE CELL ADVANTAGE?

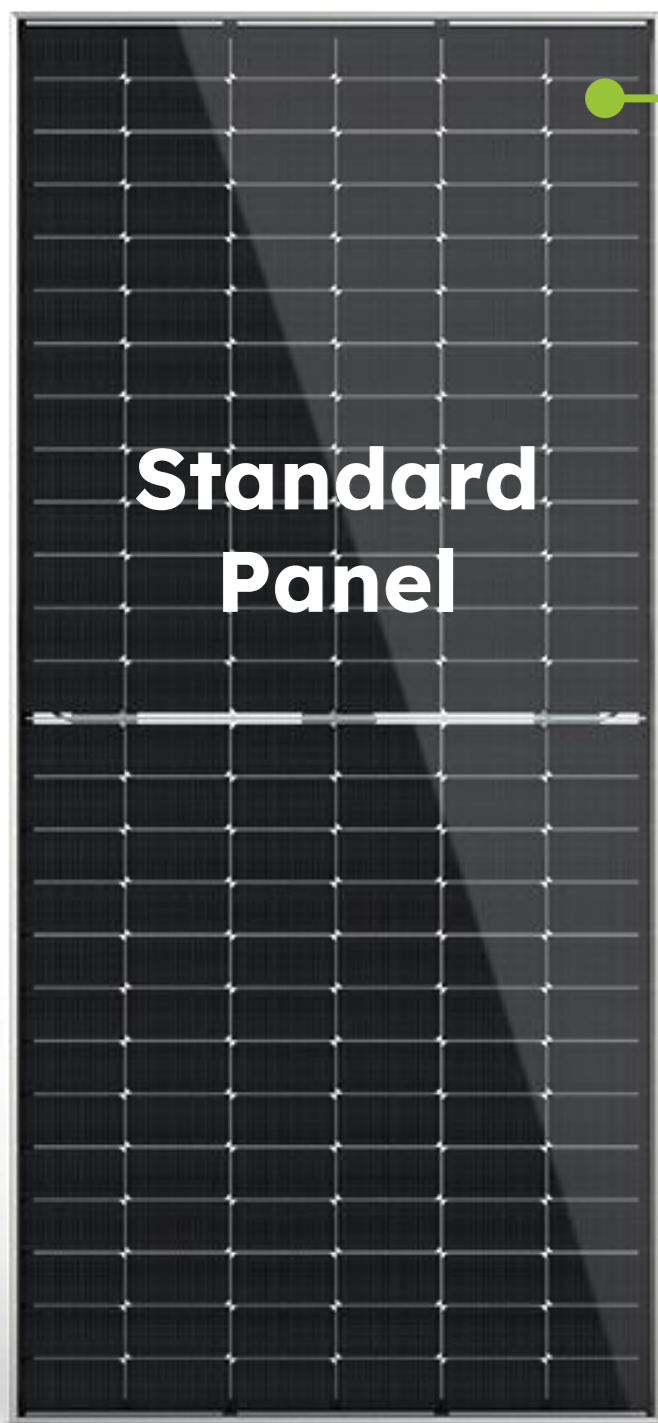
SunPower Performance panels feature TOPCon Solar Cells

Low temperature coefficient	Minimised efficiency loss in high temperatures resulting in better energy generation in increasingly hot climates.
High Conversion Efficiency	Generate more power from the same amount of sunlight.
Reliable Production	More resistant to efficiency losses caused by heat and light, enabling high solar generation long-term.
Low degradation rates	Higher energy output over a longer period compared to standard cells consistent losses.



RELIABLE CELL CONNECTION

SUNPOWER PERFORMANCE TECHNOLOGY VS THE STANDARD APPROACH

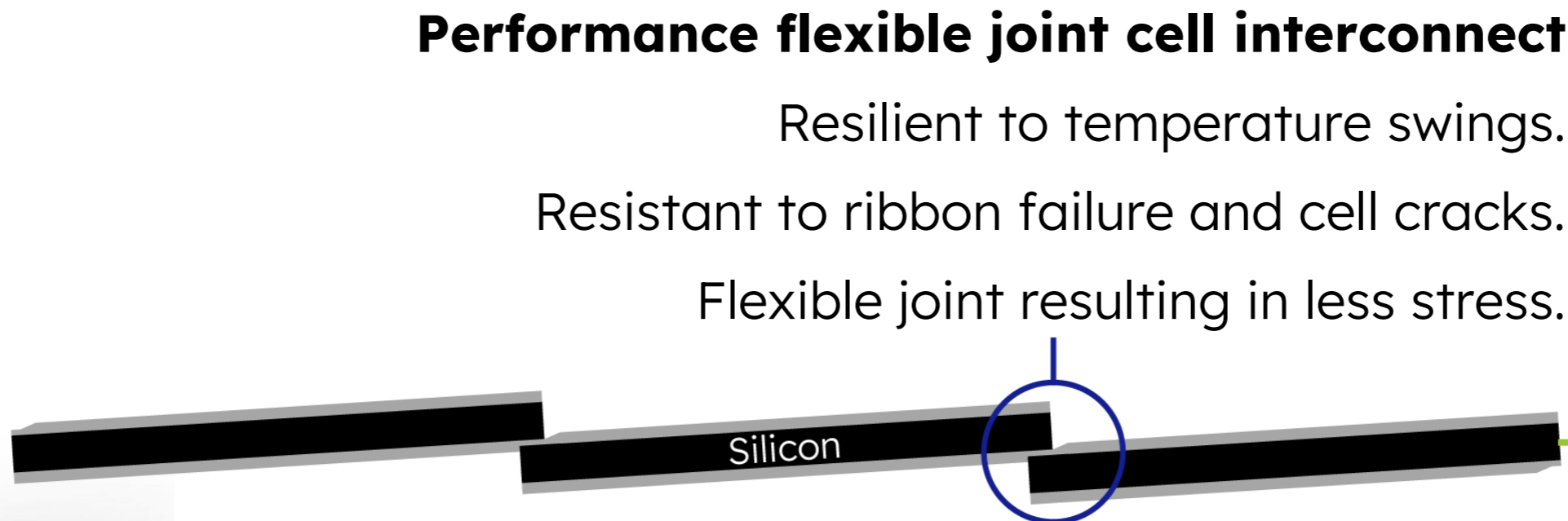


**Standard
Panel**



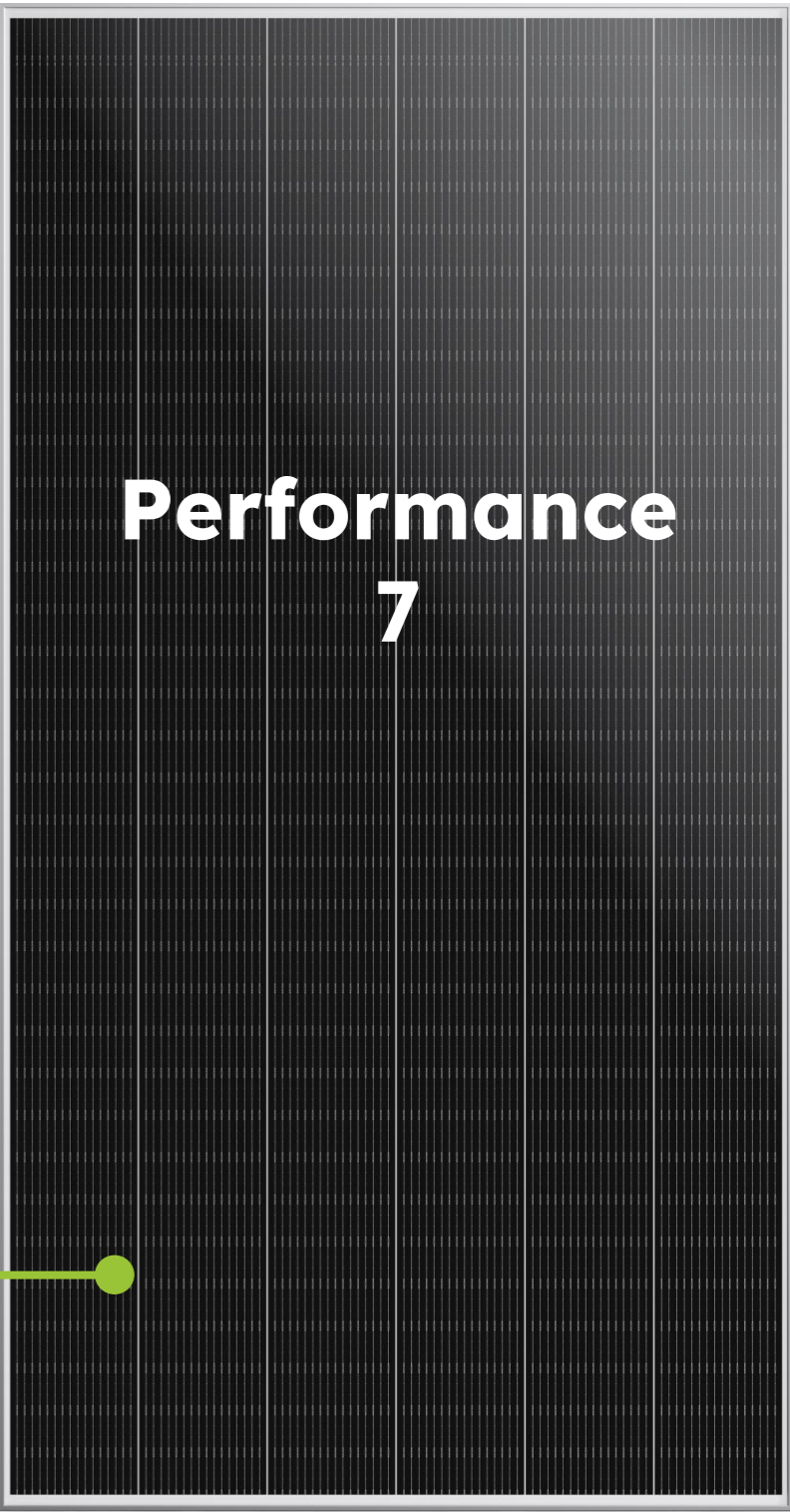
Standard half cut panel ‘S’ curve interconnect

Susceptible to temperature swings.
Prone to ribbon failure and cell cracks.
Rigid joint leading to more stress.



Performance flexible joint cell interconnect

Resilient to temperature swings.
Resistant to ribbon failure and cell cracks.
Flexible joint resulting in less stress.



**Performance
7**

Tested above the industry standard for Thermal Cycling (TC)
to ensure reliability in the field.¹

¹ Based on results of internal Maxeon product testing for Performance 7 SKUs. Subjected to TC400 testing, an extra 200 cycles above IEC standard of TC200.

SHADE MANAGEMENT

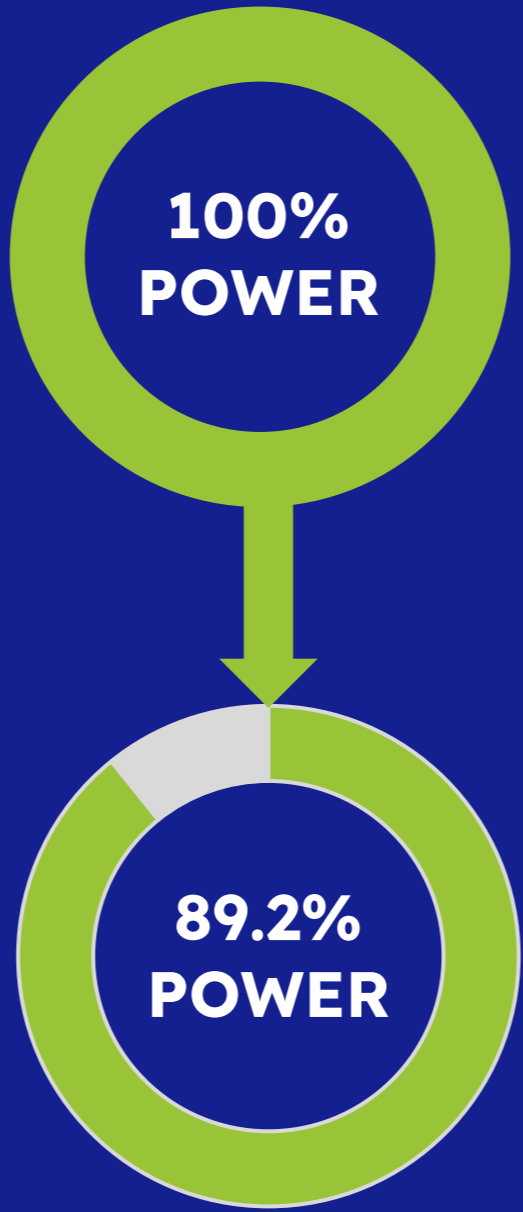
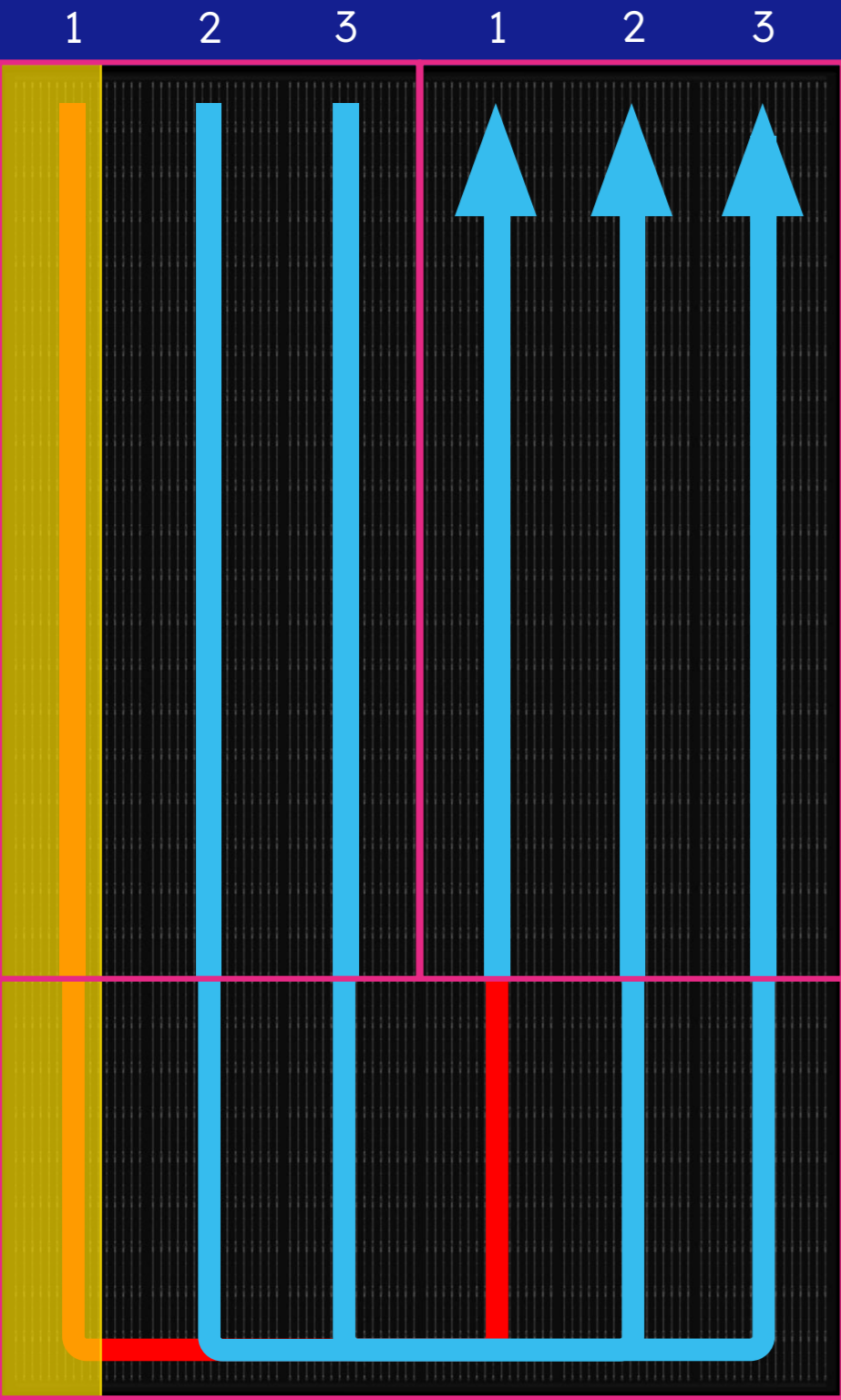
One-third cut cell design and circuitry

Smaller one-third cut cells improve shade tolerance and clever circuitry creates power advantages over standard panels with larger cells.



SHADE MANAGEMENT – LONG EDGE

Power loss when subjected to shade



Performance 7 panels experienced a **10.8% power loss** from **long edge shading**.¹

In comparison, standard TOPCon solar panels in the market showed a **35.0% power loss** under the same conditions.²

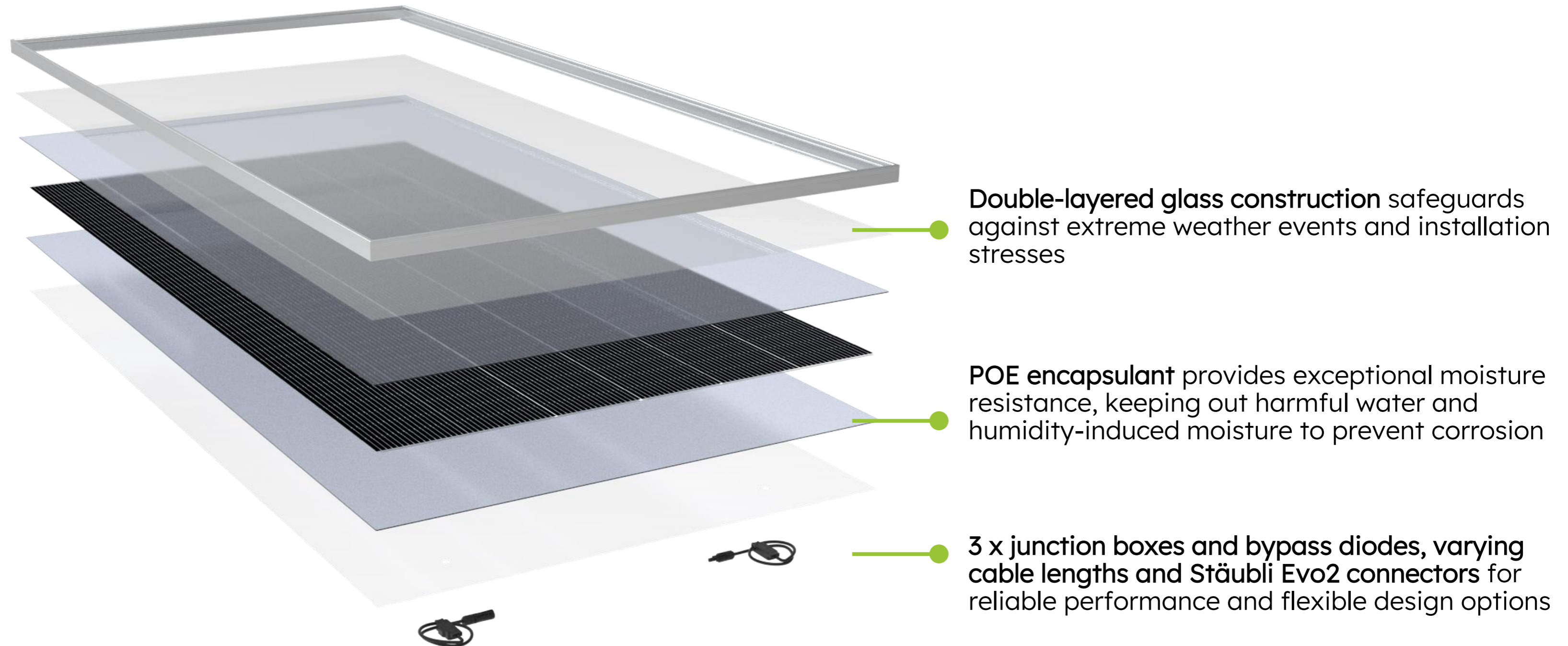
Performance 7 panels had **69.1% lower power loss** than the standard panels, highlighting their ability to produce more power when shaded.

 Bypass diode section  Uninterrupted power flow  Experiencing power loss

¹ 10% of the panel shaded on long side (single module, part of footnote two testing).
² Based on internal R&D hotspot and shade testing vs standard half cut TOPCon panels

PREMIUM PANEL CONSTRUCTION

Protection against demanding weather conditions for long-term reliable production



SO, WHAT ABOUT HAIL?

Performance panels have impact resistance up to 40 mm hail, representing one of the most durable panels on the market.

Impact resistance summary

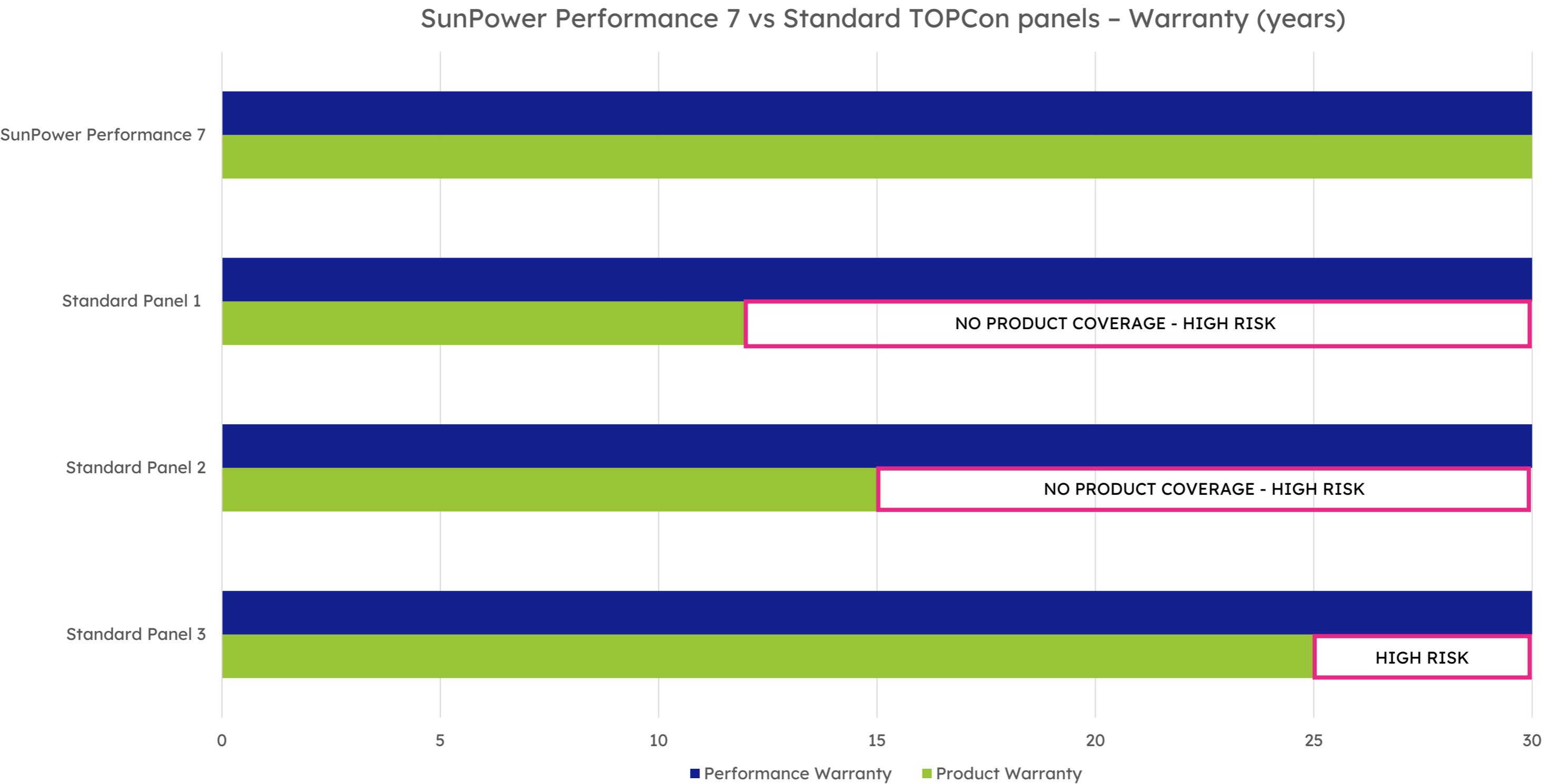
Performance Panels		Sample Competitive Panels	
40 mm	Performance 7 <ul style="list-style-type: none">• BLK (2mm glass)• COM-S (2mm glass)	Aiko	25 mm (All Panels)
		REC	35 mm (All Panels)
		Jinko	25 mm (All Tiger Neo/Pro Assumed) <i>Noted in IEC 61215 certificates</i> 25-55 mm (Eagle) <i>Varies by model, e.g. G/G is 25 mm, G/BS is 45-55 mm</i>
40 mm	Performance 6 <ul style="list-style-type: none">• BLK (3.2mm glass)• BLK-AC (3.2mm glass)• COM-XS (3.2mm glass)• COM-S (2mm glass)• COM-M (2mm glass)	Longi	25 mm (All Panels) <i>January 2024 article cited 45mm for Hi-MO X6 panels; yet to materialize on website or in datasheets</i>
25 mm	Performance 7 <ul style="list-style-type: none">• BLK (1.6mm glass)	Qcells	35 mm (All Panels Assumed) <i>Noted in IEC 61215 certificates</i>

As of February 2024



Better coverage and less risk

Typical product warranties can expose you to manufacturer defect risks



Thank you!