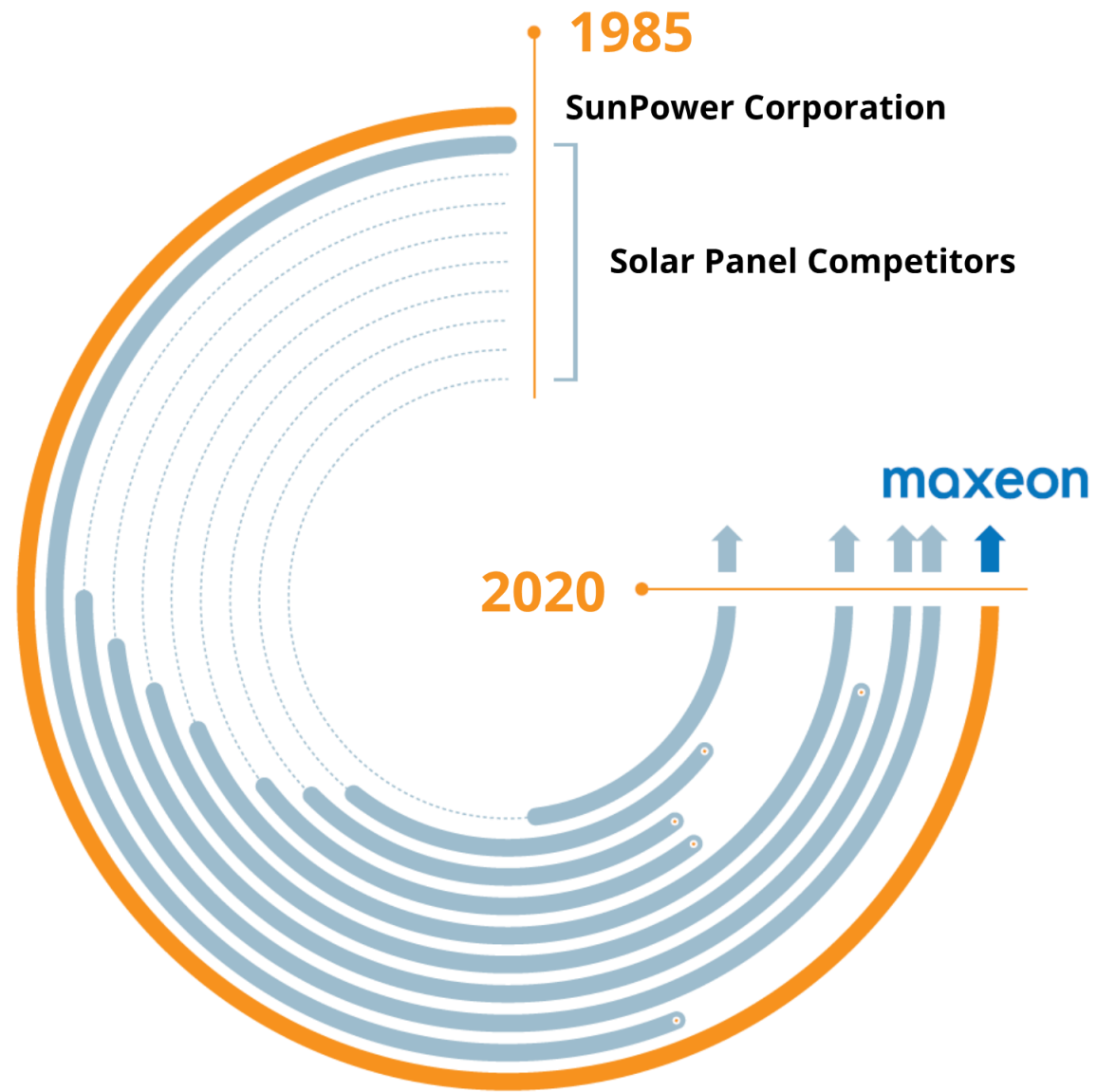
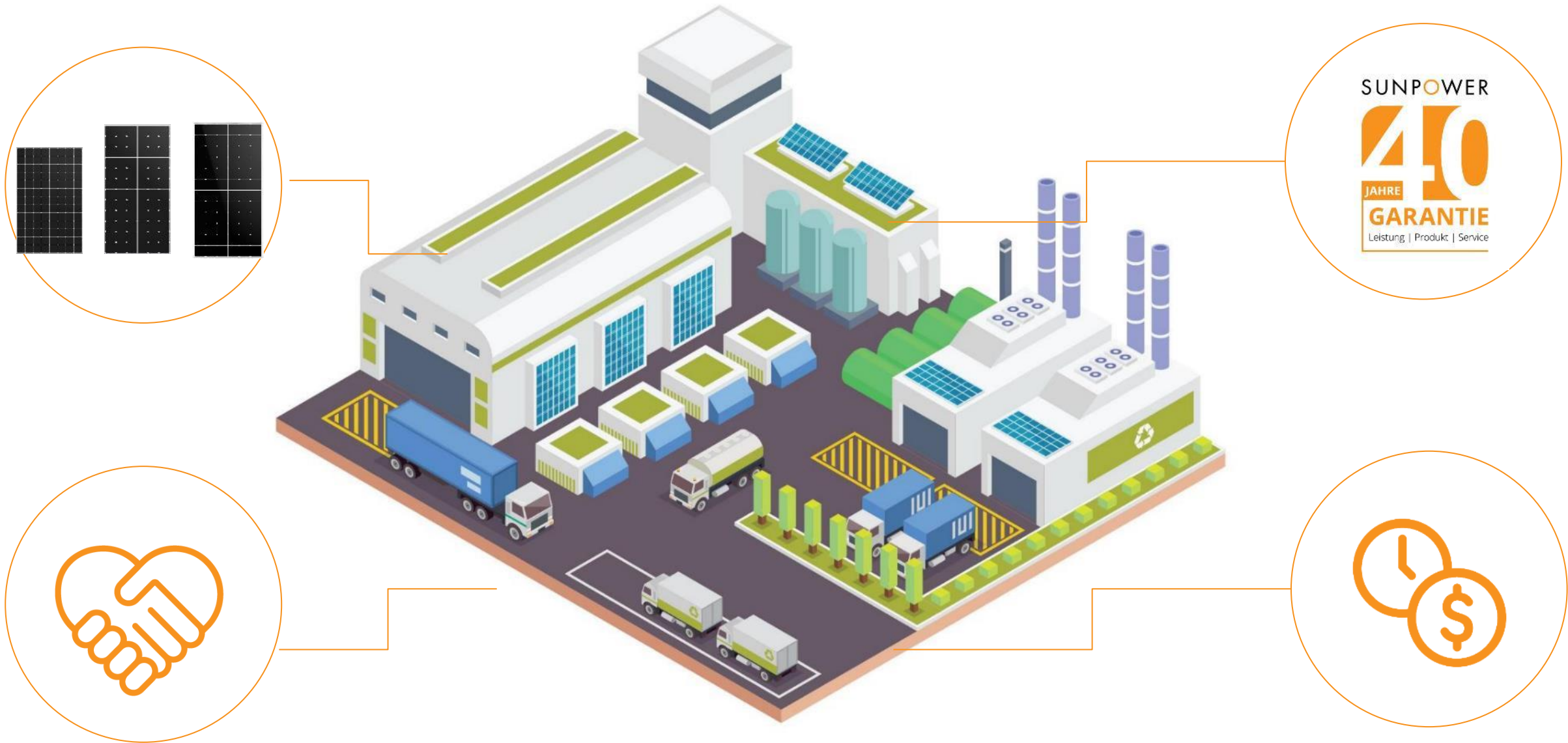






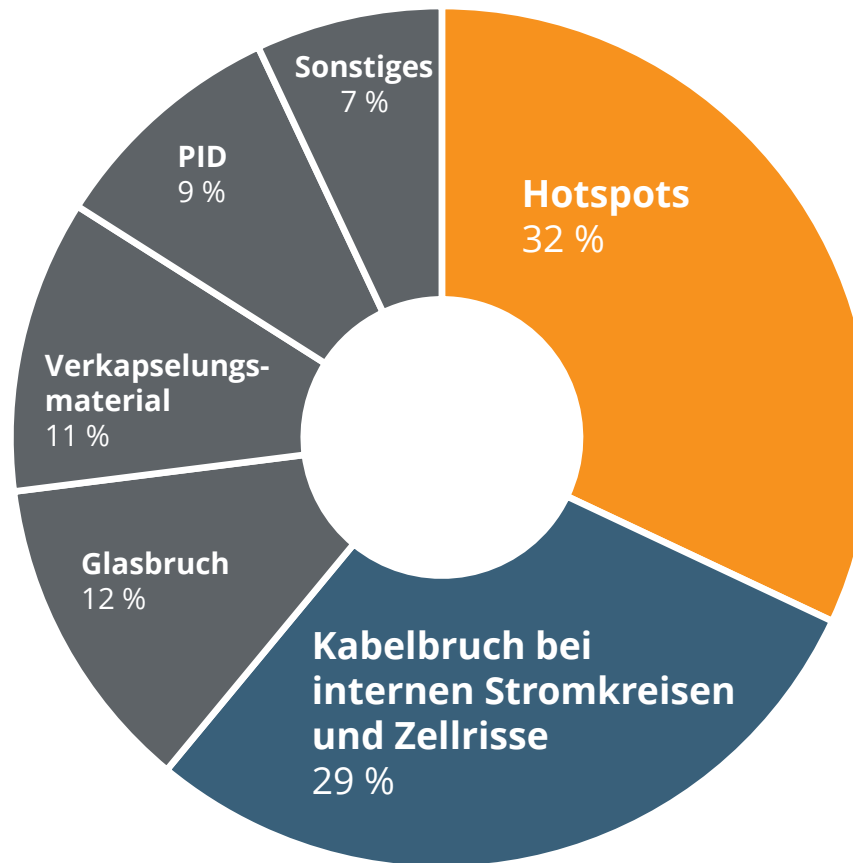
Warum ist Solar für Sie wichtig?



An aerial photograph of a modern residential property. The house features a white-tiled roof with several large, dark rectangular solar panels installed. A glass-enclosed sunroom or conservatory is attached to the side of the house. In the foreground, there is a swimming pool with a blue cover. The yard is landscaped with a patio, a large white umbrella, and some outdoor furniture. The overall scene is bright and sunny, suggesting a pleasant climate.

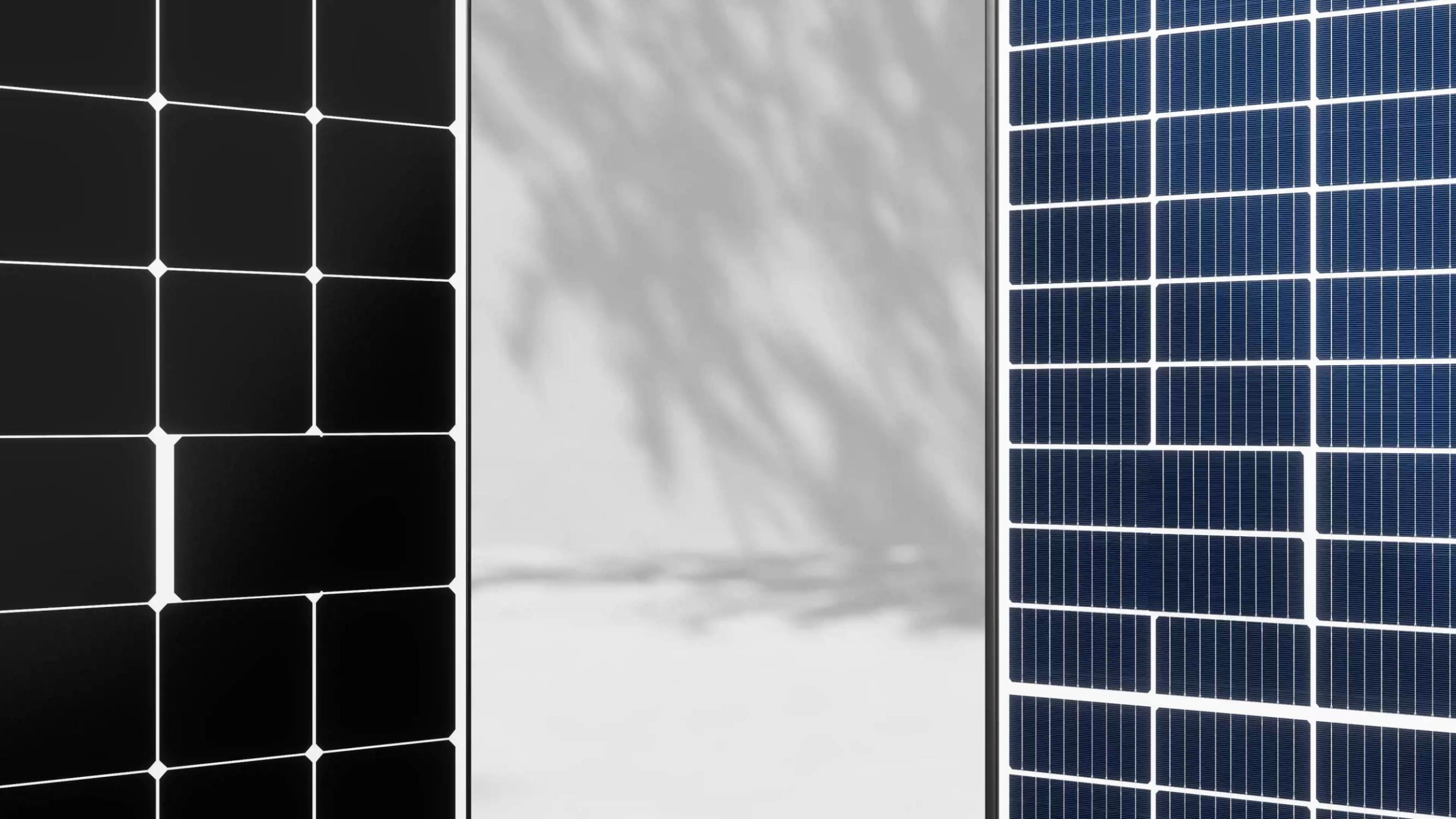
MAXEON-MODULE SIND EINE SICHERE INVESTITION

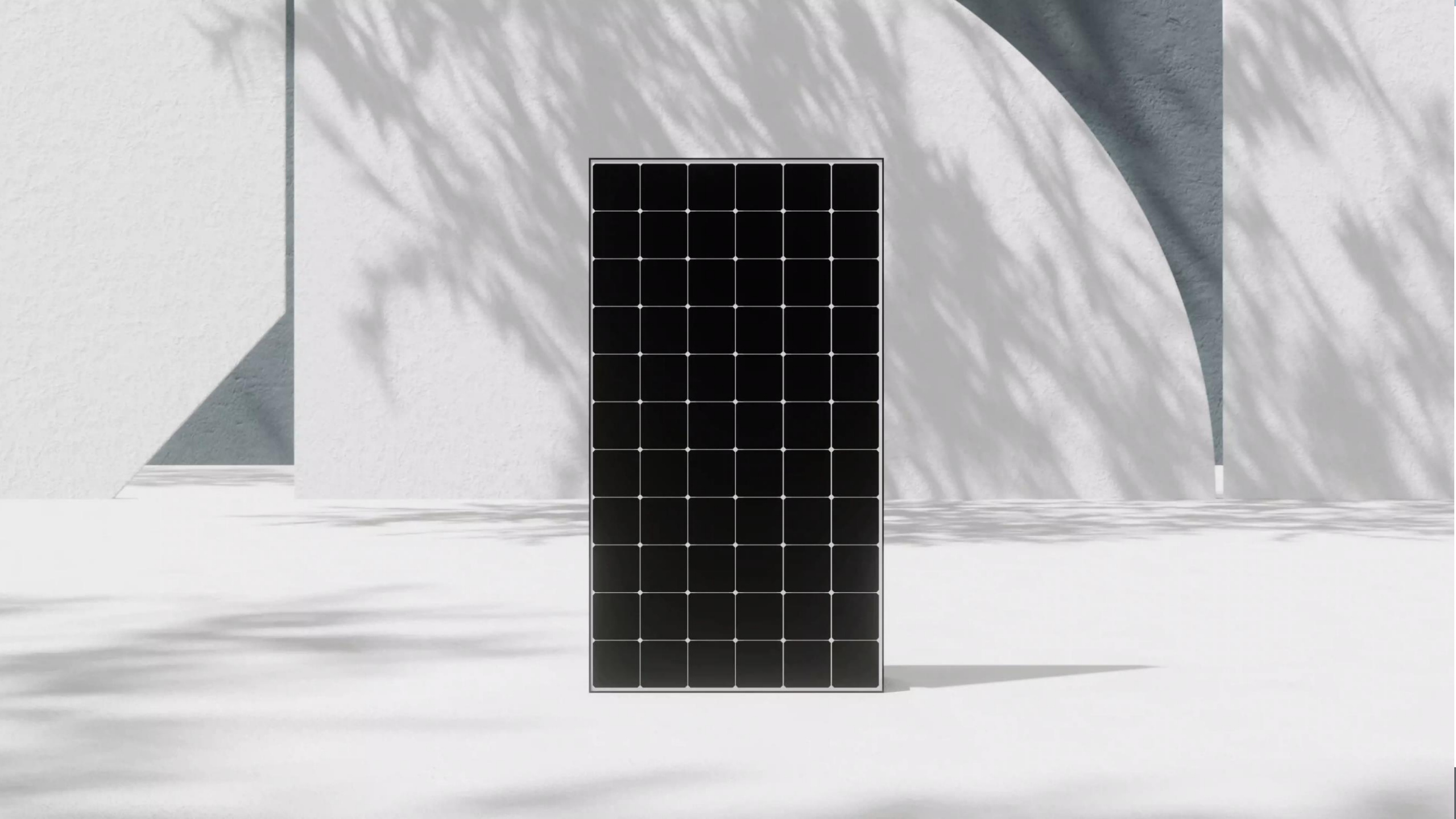
HÄUFIGE GRÜNDE FÜR AUSFÄLLE BEI SOLARMODULEN



1. Studie zur PV-Zuverlässigkeit von DuPont (2020). Beobachtungen bei Inspektionen, basierend auf einem 3 GW-System. DuPont Global-Field-Reliability-Report-2020.pdf

2. Quelle der Grafik: Jordan, D. C., Silverman, T. J., Wohlgemuth, J. H., Kurtz, S. R., und VanSant, K. T.: „Photovoltaic failure and degradation modes“. *Prog. Photovolt: Res. Appl.*, 25: 318–326. DOI: [10.1002/pip.2866](https://doi.org/10.1002/pip.2866), 2017.

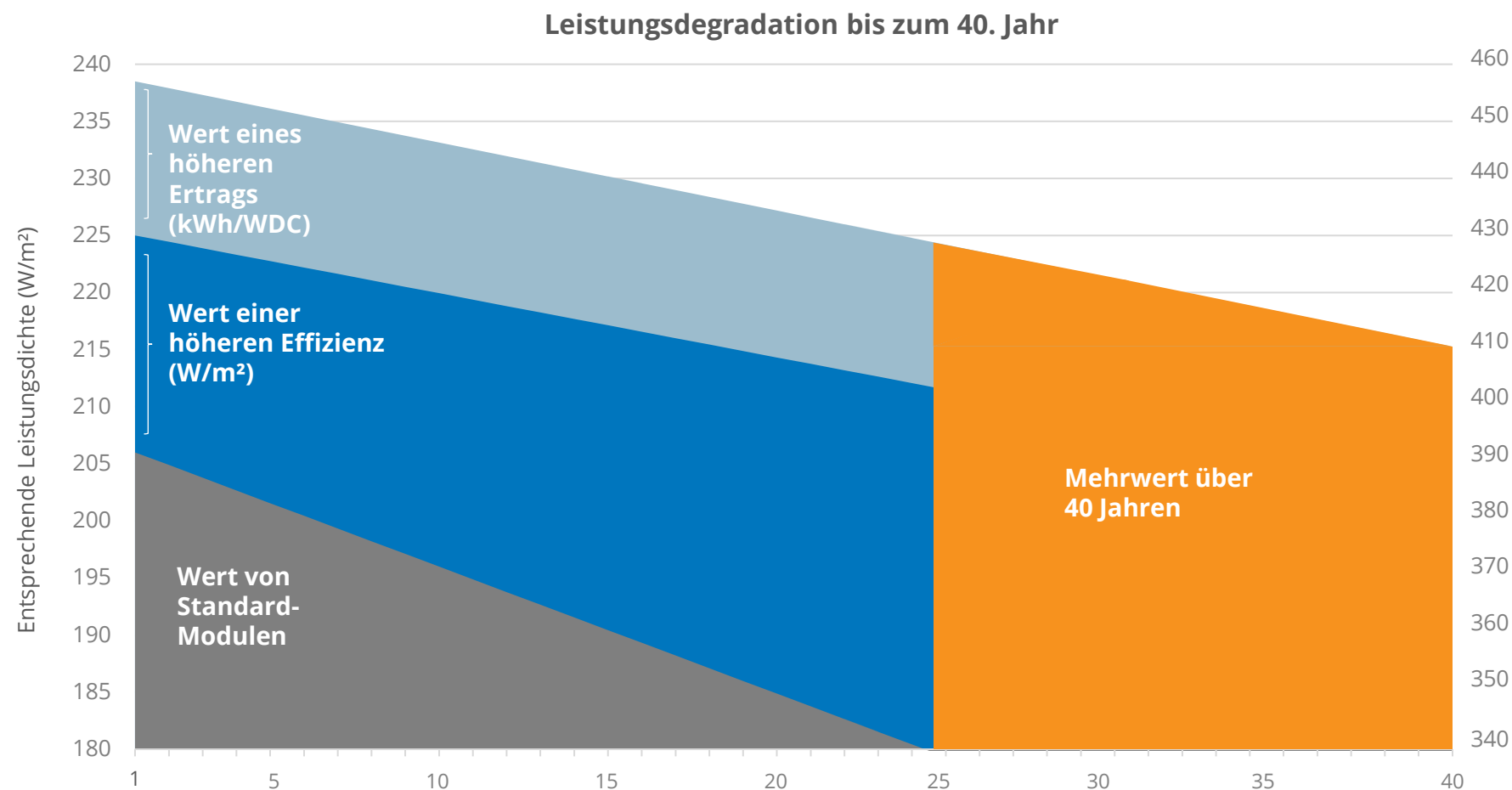








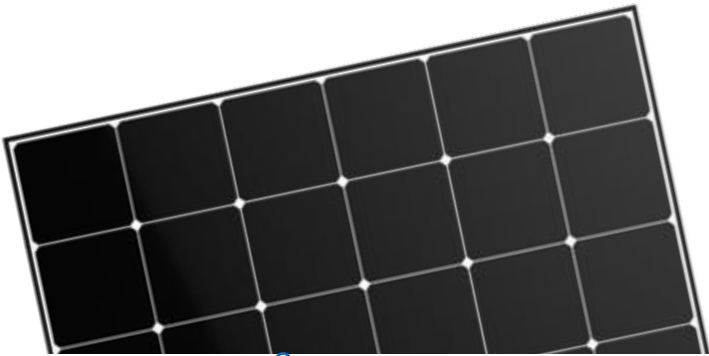
LEBENSDAUER VON ÜBER 40 JAHREN



A woman with short blonde hair, wearing a red and white patterned shirt and dark pants, is plugging a blue charging cable into the front of a dark-colored car. The car is parked on a paved surface next to a large array of solar panels. The scene is set outdoors, with a clear sky and a concrete wall visible in the background. The solar panels are in the foreground, partially obscuring the car.

EINE BESSERE ZUKUNFT FÜR DEN PLANETEN
SUNPOWER MAXEON MODULE SIND
DIE NACHHALTIGSTE WAHL UNTER DEN SOLARMODULEN

MAXEON MODULE - SO SAUBER WIE DIE ENERGIE, DIE SIE ERZEUGEN



1 RoHS-Prüfnorm. 2 Nur SunPower Maxeon-Gleichstrommodule 2. Bei einem typischen Projekt1 trägt ein Solarsystem 5 Punkte bei. Die Verwendung von Cradle-to-Cradle-zertifizierten™ Produkten und die Reduzierung von Bauabfällen kann zusätzliche 6 Punkte bringen.

EIN WELTWEITES UNTERNEHMEN MIT WELTWEITEM ENGAGEMENT.

Unsere Produkte bieten weltweiten Zugang zu erneuerbarer Energie und ihren Vorteilen



**SUSTAINABLE
DEVELOPMENT
GOALS**



Sicherstellung des Zugangs zu preiswerter, zuverlässiger, nachhaltiger und moderner Energie für alle Menschen



Sicherstellung nachhaltiger Konsum- und Produktionsprozesse



Verringerung der Ungleichheit innerhalb der Länder und zwischen den Ländern



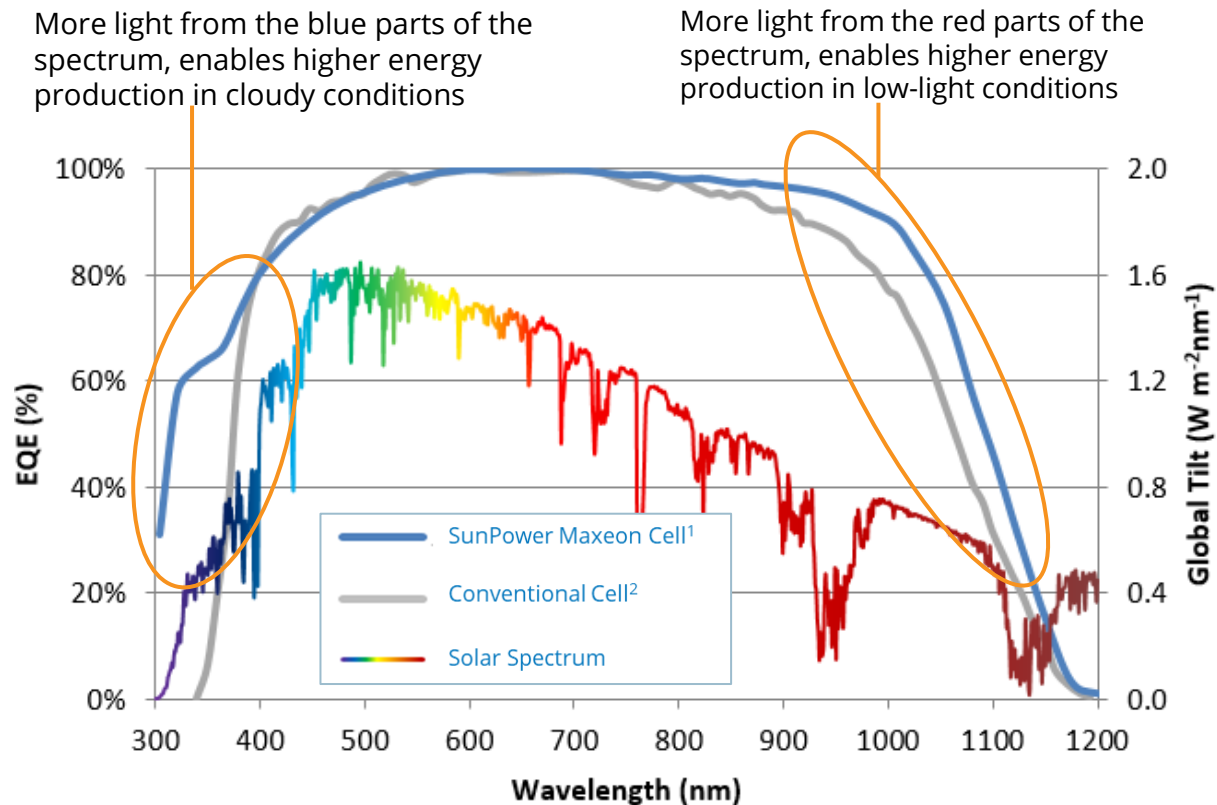
Förderung von gerechten, friedlichen und inklusiven Gesellschaften

maxeon

Vielen Dank

MAXEON DAY ONE ADVANTAGE

Maxeon panels capture more sun in low light – ensuring panels are creating power earlier in the morning, later in the evening, and on cloudy days.



THE IMPACT OF BROAD-SPECTRUM RESPONSE

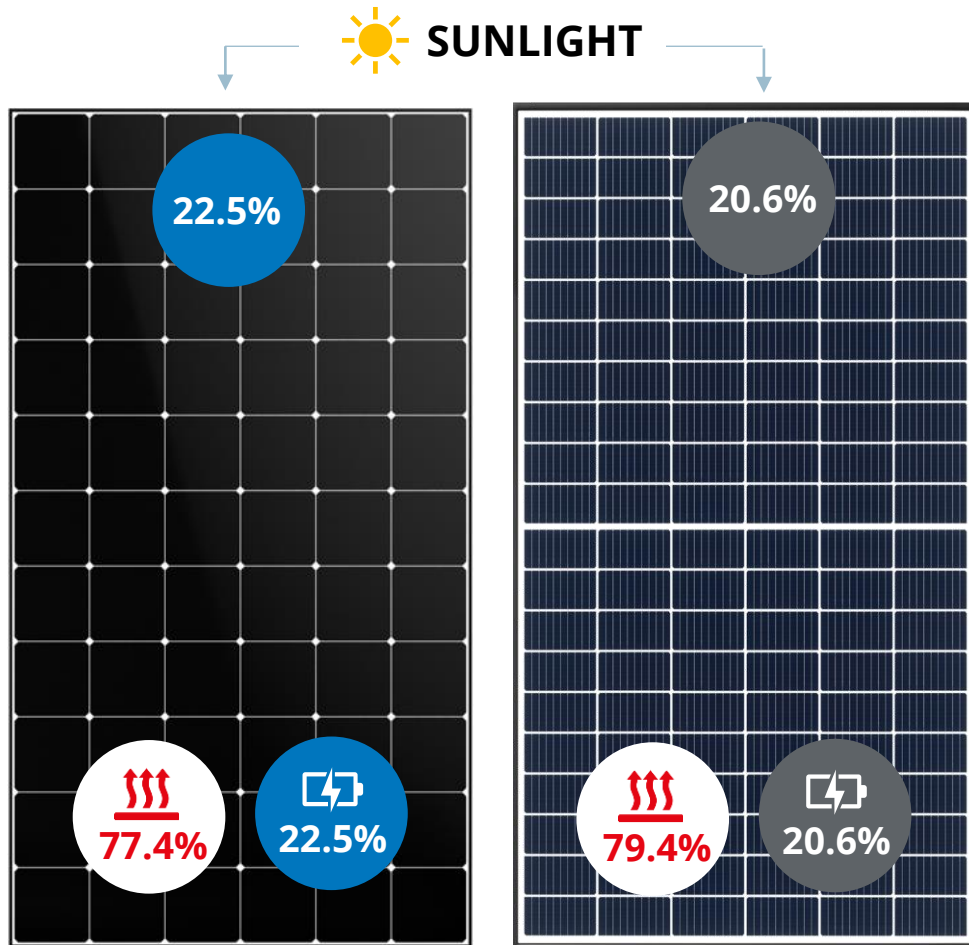
Maxeon cells can generate electricity from a broader spectrum of sunlight.

This contributes to a higher efficiency and more rated watts, **but it also creates more energy output per rated watt.**

¹ National Renewable Energy Lab measurements. ² Green, M. et al., "Solar cell efficiency tables (version 36)" Progress in Photovoltaics, 18(5), 46–352.

MAXEON **DAY ONE** ADVANTAGE

Maxeon panels convert more heat into electricity to increase power production in hot, sunny conditions and to protect the panel's structure.



THE IMPACT OF LOWER EFFICIENCY

Over time, a panel that generates a high amount of heat can result in:

- Less power for your home
- Damage to the internal circuitry and panel failure

STRONG PARTNERS, SAFE INVESTMENT

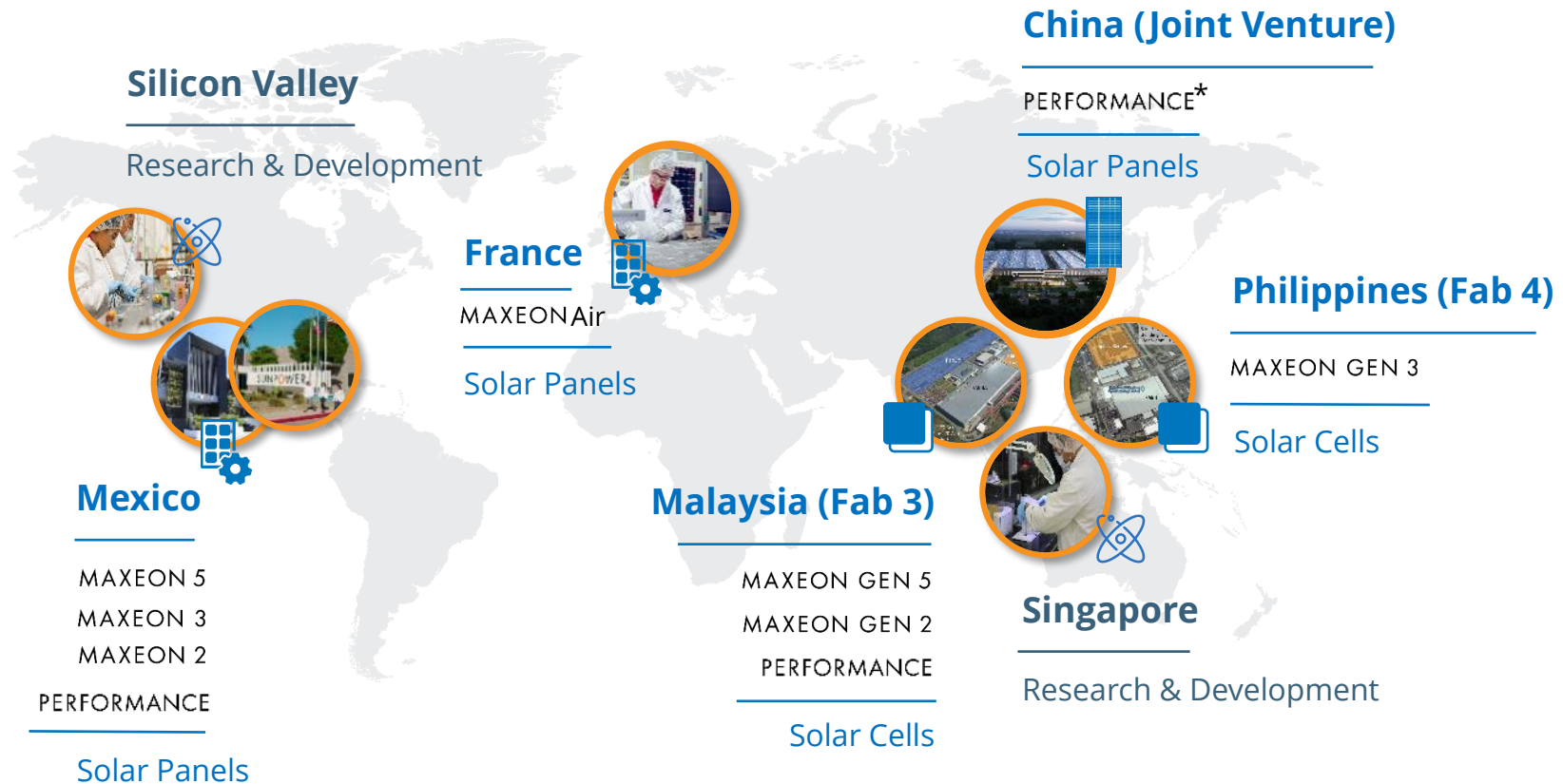
Maxeon Bankability

2021 Tier 1
Global Solar Cell &
Panel Manufacturer

Bloomberg
NEW ENERGY FINANCE



Global Development & Manufacturing Locations Maxeon Solar Technologies, Ltd.

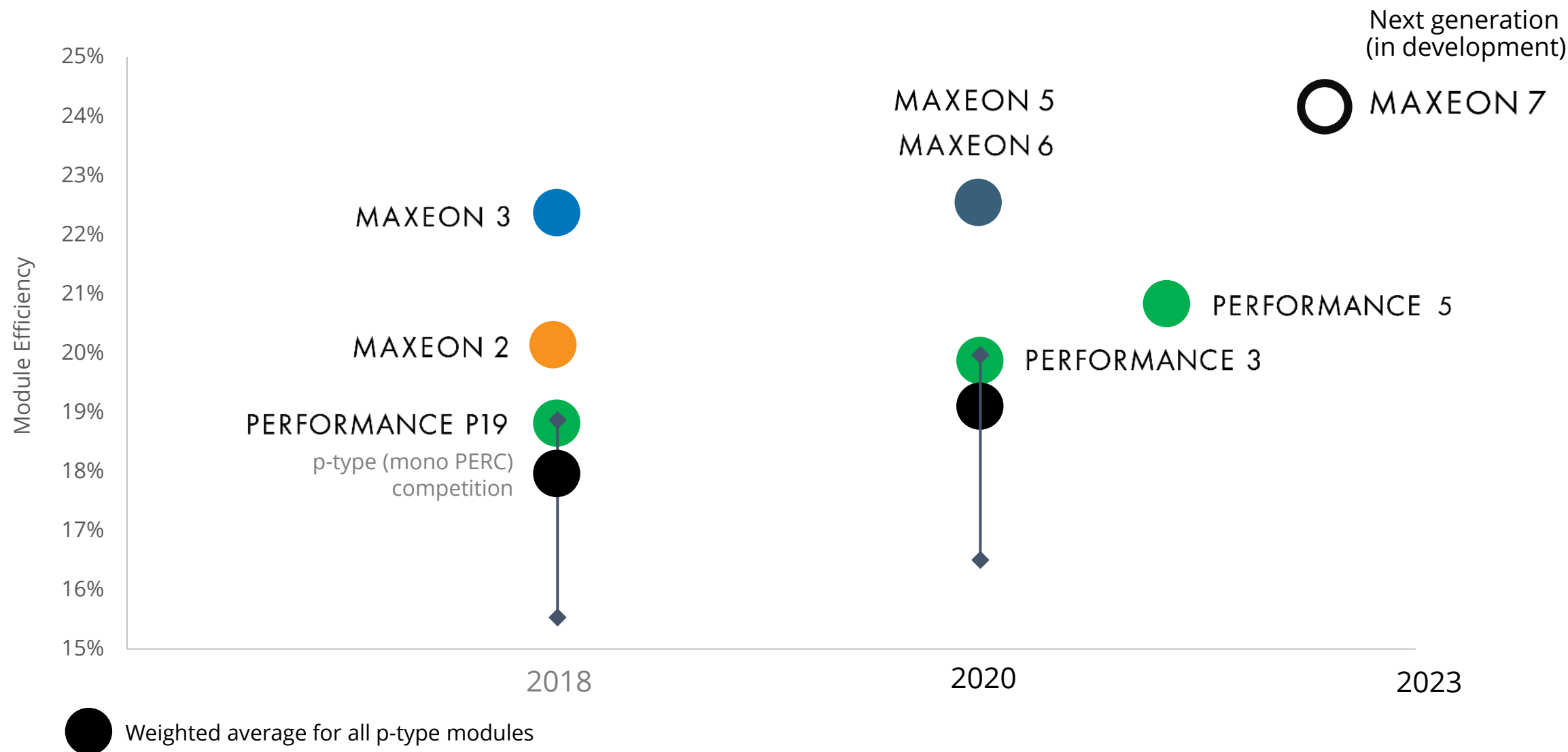


Tier 1 Source: IHS, PV Suppliers Tracker – July 2021. Bloomberg NEF Tier 1 criteria as of May 2021.

Note – shipping lines do not indicate actual flight paths or directions.

* China production is for the shingled Mono PERC SunPower Performance line as part of a joint venture.

MAINTAINING PERFORMANCE LEADERSHIP



THIRD-PARTY PRODUCT VERIFICATIONS AND CERTIFICATIONS

SunPower Maxeon Panel Sustainability Leadership



- 24.0 ESG Rating¹ (Medium); Maxeon received its first *Sustainalytics* score as an independent company
- *Sustainalytics, a Morningstar Company*, is a market leader in ESG rating score and advisory



- Maxeon's integrated back contact (IBC) panels are the only solar panels to voluntarily carry a Declare Label for materials transparency.
- Empowering consumers to better understand products and make sustainable choices.



- Mexico's first Zero-Waste-To-Landfill manufacturing facility in any industry – and solar's first.
- Ensuring no more than 1% of material from the facility is sent to a landfill.



- Inaugural award recipient recognized for outstanding sustainability leadership.
- Manufacturing clean energy products with a process as clean as the energy they produce.



- First and only major solar panel manufacturer certified for sustainable manufacturing.²
- Demonstrating environmental stewardship, sustainable design, and community engagement



- 100% of the cells powering SunPower Maxeon solar panels come from LEED Gold-certified facilities
- LEED certification is a globally recognized symbol of sustainability achievement and leadership

¹ Rating as of Jan 2022 ² Applicable to SunPower Maxeon direct current (DC) panels

BRANCHENWEIT FÜHRENDE NACHHALTIGKEIT

Unsere Produkte bieten weltweiten Zugang zu erneuerbarer Energie und ihren Vorteilen

WE SUPPORT



20
years

7 BEZAHLBARE UND SAUBERE ENERGIE



10 WENIGERE UNGLEICHHEITEN



12 NACHHALTIGER KONSUM UND PRODUKTION



16 FRIEDEN, GERECHTIGKEIT UND STARKE INSTITUTIONEN



Erster und einziger großer Hersteller von Solarmodulen, der für seine nachhaltige Produktion zertifiziert ist³

Der einzige Hersteller von Solarmodulen, der alle Inhaltsstoffe offenlegt



Wir übernehmen die Verantwortung für unsere Produkte über ihre gesamte Lebensdauer

Von Dritten verifizierte Kennzahlen und Zertifizierungen zur Nachhaltigkeit



Keine Toleranz für Firmen oder Lieferanten, die gegen Menschenrechte verstoßen

A HIGHER STANDARD FOR GREEN BUILDING

SunPower Maxeon Panels Offer LEED Advantages



SunPower Maxeon (DC) panels can contribute more to a project's LEED points and sustainability goals than standard panels.

LEED v4 Category	Standard Panels ¹	Maxeon (DC) Panels
Renewable Energy Production	3	3
Heat Island Reduction	2	2
• Environmental product declarations (1) • Material ingredients (2) • Social equity in supply chain (1) • Sourcing of raw materials (1) • Analysis of Building Materials (1)	0-6 ¹	6
Total Points	5-11*	11

For more information, visit: maxeon.com/us/blog/maxeon-panels-offer-leed-advantages

¹ Estimated LEED points available is based on a search of conventional panel manufacturer websites to uncover Declare label participation, Cradle to Cradle Certification, or participation in other formalized sustainability programs.

THIRD-PARTY CERTIFIED

What does that mean?



When we use the Declare label, we are talking about **materials transparency.**

- It is the 'nutrition label' for products
- Manufacturers voluntarily disclose all product ingredients
- All active Declare labels are accessible on a free and searchable database at declare.living-future.org

Claim: SunPower Maxeon panels are the only solar panels to disclose its ingredients and carry a Declare label



When we use the Cradle to Cradle® logo, we are talking about **responsible production and product design.**

- Cradle to Cradle Certified® is the global standard for products that are safe, circular and responsibly made.
- C2C ensures materials are safe, regeneratively designed, reduce harmful emissions, safeguard water and soil and respect human rights.

Claim: SunPower Maxeon panels are Cradle to Cradle® Certified Bronze and the first and only major solar panel manufacturer certified

THIRD-PARTY COMPLIANT

What does that mean?

When we say RoHS or Reach compliant, we are talking about **hazardous materials**.



- RoHS is an EU directive and stands for Restriction of Hazardous Substances
- EU RoHS specifies maximum levels of restricted substances commonly found in standard solar panels:
 - **Cadmium (Cd)** in thin film
 - **Lead (Pb)** in solder
 - **Mercury (Hg)**
 - **Hexavalent Chromium: (Cr VI)** in coating



- REACH is a European Union regulation (1907/2006/EC) restricting the levels of specific chemical substances in all imported goods
- REACH restricts SVHCs (Substances of Very High Concern) including:
 - Carcinogenic, Mutagenic or toxic to reproduction (CMR)
 - Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB)
 - Identified, on a case-by-case basis, from scientific evidence as causing probable serious effects to human health or the environment

Claims:

- **SunPower Maxeon panels and Enphase microinverters are RoHS and REACH compliant**
- **SunPower Maxeon panels and Enphase microinverters do not require hazardous handling procedures providing greater options for end of life**

METRICS

What do they mean?

ENERGY PAYBACK TIME (EPBT)

- Energy Payback Time (EPBT) is the number of years required for a panel to offset the energy for the entire product lifecycle of the system:
 - Raw material extraction
 - Production
 - Distribution
 - Installation
 - Decommissioning

Claims:

- **SunPower panels have a 1.2 year EPBT¹**
- **Conventional Panels take 60% longer to offset their energy footprint².**

CARBON POSITIVITY

Carbon positivity is reached when:

1. a product offsets the energy required to create it and
2. continues to create a positive environmental benefit by removing additional carbon dioxide from the atmosphere.

It is also known as the period after the EPBT until the end of the warranty period.

Claims:

- **SunPower panels have a 38.8-year carbon positivity – a factor of subtracting the EPBT from the 40-year warranty period.**

¹ PRé Consulting, 2014.

² De Wild-Shcolten, M. (2013). Energy payback time and carbon footprint of commercial photovoltaic systems. Solar Energy Materials and Solar Cells, 119, 295–305.

HOLDING OURSELVES TO A HIGHER STANDARD

Long-term production targets¹ for SunPower Maxeon panels through 2030

PRODUCT INNOVATION

Lead the global transition to clean energy by offering customers superior product choice to meet their ESG goals

Metric	Today	2025	2030
Cradle to Cradle Certified™	Bronze	Silver	Gold
Improve Carbon Positivity and Energy Payback Time (EPBT) through warranty terms and efficiency gains	25 years	40 years @ 24% efficiency	40 years @ 25% efficiency

PANEL PRODUCTION

Continue to be a leader in conservation through continuous improvement in energy usage and emissions

Metric	Today	2025	2030
Energy intensity (MWh consumed/MW produced)	254	Improve 10% by 2025	Improve 20% by 2030
Emission intensity (tCO2e / MW produced)	160	Improve 10% by 2025	Improve 20% by 2030
Water intensity (m3 used per MWh produced)	3,874	Improve 2.5% by 2020	Improve 5% by 2020
Waste Recycling	80%	Improve 5% by 2025	Improve 10% by 2020
Fair Labour and Human Rights Incidents / Traceability	Zero cases of verified non-compliance with human rights laws	Supply traceability on blockchain so information is available <4 hours	Maintain zero cases of verified non-compliance with human rights laws with enhanced traceability

¹ Full list of long-term targets for Maxeon [available here](#).

IDENTIFIED GAPS

Internal SunPower Maxeon sustainability initiatives for 2022

Lifecycle stage	Action item(s)
 PRODUCTION	- Recertify existing certificates: - Cradle to Cradle - Review options for AC modules with ENPH - Declare labels - NSF Landfill-Free for Mexico - Review options for Malaysia (Maxeon 6) - Supply chain governance: - Publish modern slavery statement
 PRODUCT USE	- Assess amount of energy needed to create panel - Update white paper: Solar Cell and Module Life Cycle Assessment (2014) - Update new EPBT metric with Maxeon 6 and new competitive set - Create carbon positivity claim with new EPBT - Review LEED points claims with Maxeon 6
 PRODUCT RE-USE	- Strengthen Recycling Policy for end-of-life panels - Update one-pager on recyclability of materials

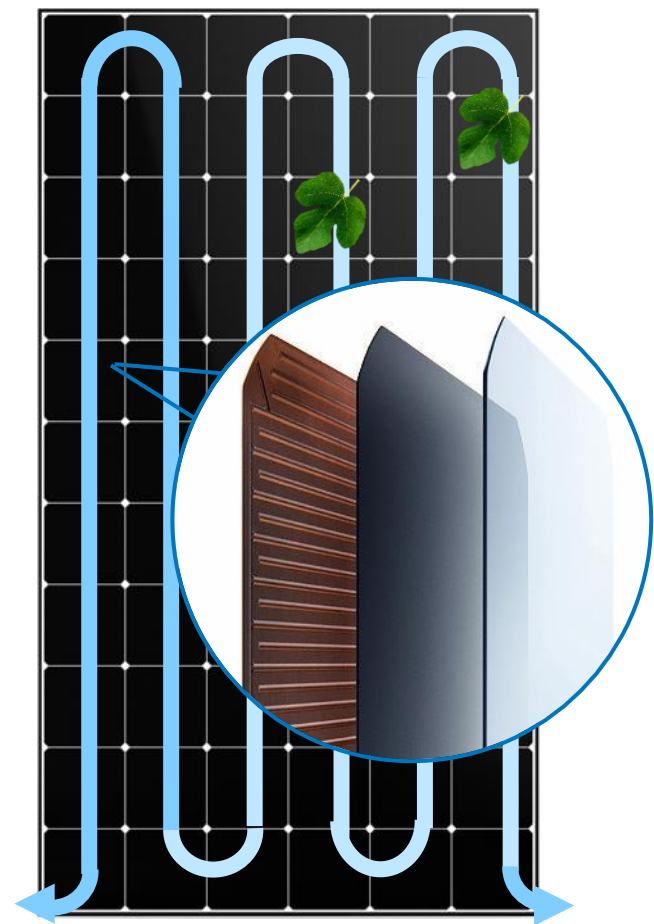
NEED INFORMATION ABOUT **CORPORATE** ENVIRONMENTAL, SUSTAINABILITY AND GOVERNANCE (ESG)?

Resources available:

- Sustainability presentation (*presented by Matt Kasdin, Senior Counsel, September 2021*) available on Showpad
- Corporate ESG information: corp.maxeon.com/esg
- Sustainability Report 2020: corp.maxeon.com/esg/sustainability-report-2020
- Latest sustainability updates: corp.maxeon.com/blog

SUPERIOR PERFORMANCE IN ON-ROOF CONDITIONS

Maxeon panels perform more reliably in shade



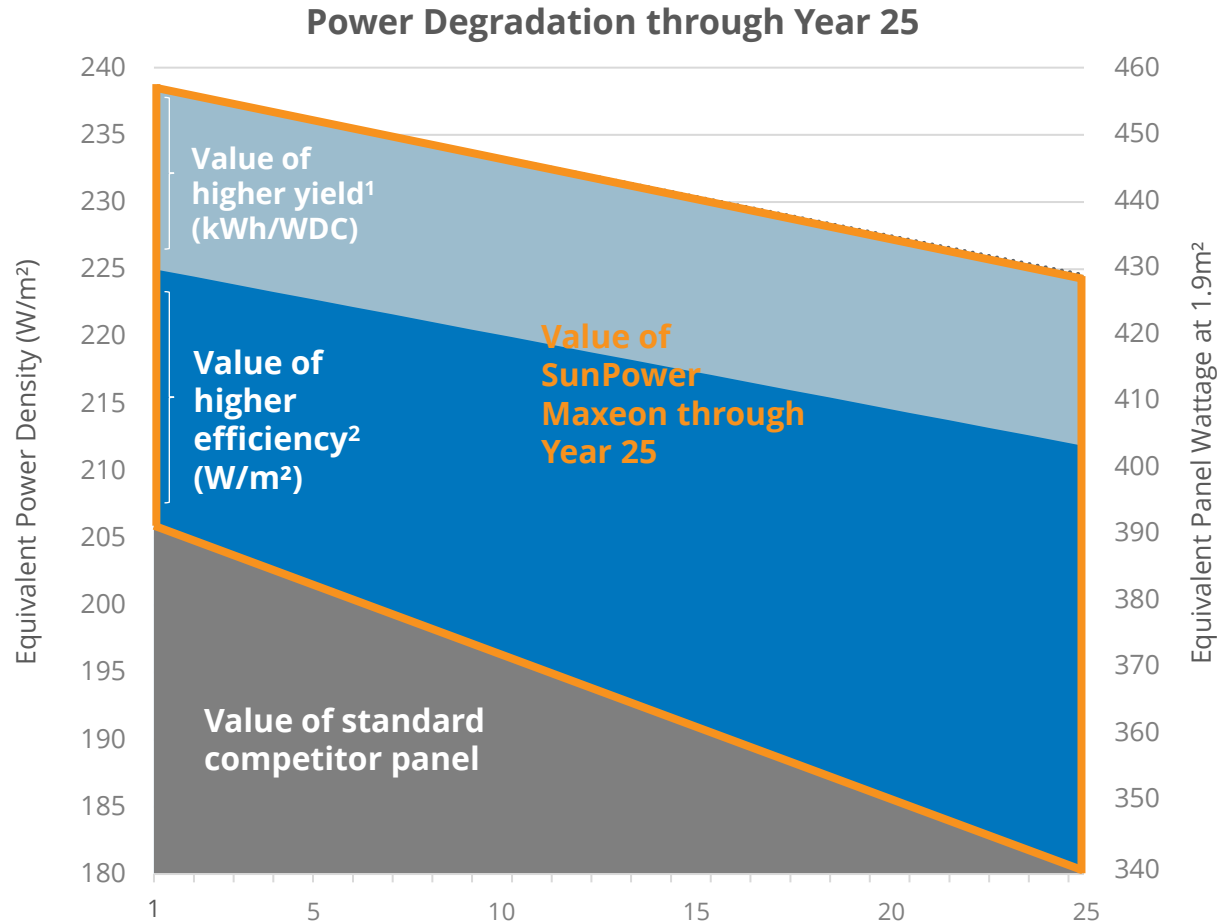
Maxeon cells feature a cell architecture with a lower breakdown voltage to allow large amounts of current to pass uniformly through shaded cells.

As a result, shaded cells don't heat up as much as conventional cells—**the Maxeon cell essentially acts as its own bypass diode to mitigate shade and keep energy flowing.**

	Maxeon	Standard Solar Panels		
		166mm	182mm	210mm
String Current (A)	10.8	10.8	13.0	17.2
Approx Reverse Bias Voltage (V)	3.8	20	20	20
Heat energy to dissipate (W)	41	216	260	344
Heat dissipation pattern	Across cell area	Point hotspot		
Temperature change in shade (°C) versus panel temperature	40	>100		
Temperature change in shade if diode is no longer protecting the panel (°C)	40	>150		

Campeau, Z. "SunPower Maxeon Panel Technology 40-year Warranty Overview" 2021.

MAXEON YIELD ADVANTAGE



SunPower Maxeon panels generate higher yield, so more kWh are generated for each Watt installed.

When combined with the industry's top efficiency and lower degradation, **SunPower Maxeon panels offer 19% more kWh/m².**

¹SunPower Maxeon module: Max5 AC 420W with Enphase IQ7A-72-x-INT; 22.5 % efficiency (.25% annual degradation rate). Conventional modules Mono PERC 390W, 20.6 % efficiency, (0.54% annual degradation rate) with leading string inverter. ² Source: PVSYST simulations in typical climates; PAN files are third-party verified; compared to leading mono PERC panel