

Premium Solar Solutions



Watt is
Love ⚡



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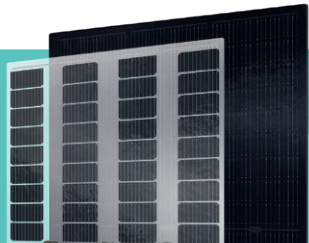
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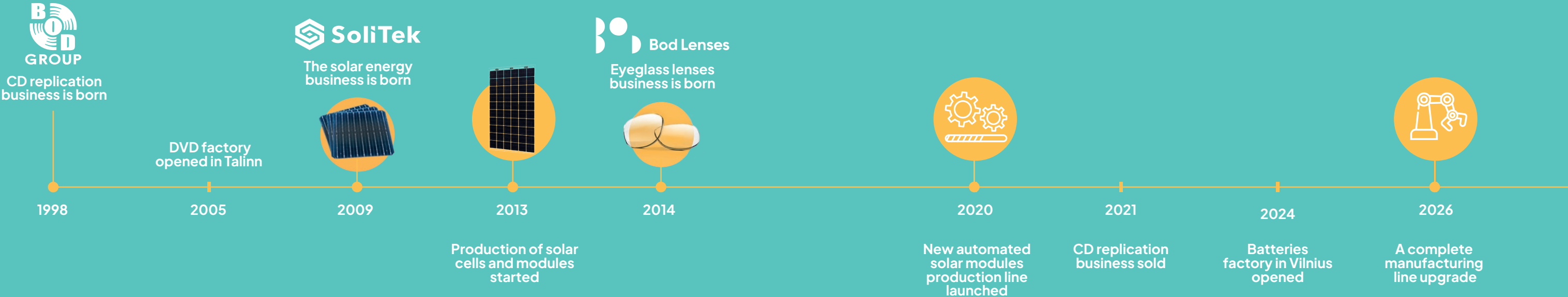


Green Solar Innovations To Make the Most of the Sun

SoliTek was founded in 2009 as a manufacturer of solar panel cells in Vilnius, Lithuania. Today, SoliTek is a leading solar energy solutions provider in Northern Europe.

From careful supplier selection to 100 % renewable energy in production and maximum product recyclability, we're committed to green innovation at every manufacturing stage.

SoliTek has been committed to innovating solar energy solutions that promote energy independence without harming the environment





Integrated Solar Solutions

Solar energy integrations into the existing/future infrastructure, maximizing land efficiency

We could cover millions of hectares with gigawatt solar parks... OR to maximize the use of current/future urban infrastructure. From solar carports to PV-integrated noise barriers, SoliTek innovates to capture the most from the sun leaving the smallest carbon footprint.

Harness every ray of the sun



QRious to learn more?



Solar Carport

Car protection + clean energy generation



Solar Noise Barrier

Transport investment that pays off



Solar Roof

2in1: stylish roof & weather-proof solar plant



Solar Agro

Sustainable harvest boost & protection



Solar Terrace

Solar roof for great moments outdoors



Solar Facade

The facade, which pays for itself



Solar Carport – Car Protection + Clean Energy Generation

Solar carports offer more than just shelter for vehicles — they generate renewable energy while optimizing land use

By combining car protection with solar power production, solar carports provide a cost-effective, sustainable solution for homeowners, businesses, and property developers.



Key benefits of solar carports:



Energy cost savings:
Solar carports generate clean electricity, reducing reliance on the grid and lowering energy bills.



Efficient land use:
Unlike ground-mounted solar panels, carports utilize existing parking spaces, maximizing land productivity.



Vehicle protection:
Provides shade to keep cars cooler in summer and protects them from snow, hail, and harsh weather conditions.



EV charging integration:
Designed to incorporate electric vehicle (EV) charging stations, turning carports into personal or business charging hubs.

Solar carports: a profitable and safe investment

SoliTek solar carports combine robust construction with advanced solar technology to ensure maximum safety, durability, and performance. Certified by DIBt, German construction authority, for overhead installations, SoliTek solar panels are designed for the toughest conditions, withstanding hail, heavy snow, and wind.



High-performance, reliable, and sustainable

Our Photovoltaic Noise Barriers deliver the same impact resistance and sound insulation as traditional options, with added benefits beyond noise reduction. These barriers are integrated seamlessly with existing acoustic designs and meet rigorous European standards.

Solar Noise Barrier: Transport Investment That Pays Off

Dual benefits: noise-blocking + power generation

Photovoltaic noise barriers (PVNBs) seamlessly blend the functionality of traditional noise barriers with the power of solar panels. Our PVNBs provide effective noise insulation in sensitive areas while generating clean, cost-free electricity, ensuring a dual-purpose solution that maximizes value and efficiency.



Key benefits of a PVNBs:



Blocks noise just as
effectively as traditional
barriers



Pays for itself over time,
unlike standard noise
barriers



Optimized land use with no
need for additional space for
solar panels

Specifications:

Sound
reduction
index: **30 dB**

Sound
reduction
class: **B3**

Certified according to
European Standards:
EN14388, EN1793



Solrif: A Stylish Roof that Generates Power

Roofing + power generation

The SOLRIF series solar roof combines the functionality of traditional roofing with clean energy production. It's a dual-purpose innovation that maximizes value, efficiency, and sustainability.

Stylish design:

Available in black, semi-clear, terracotta or satin (anti-glare) options, enhancing the aesthetic appeal of any building.

High-performance, reliable, and sustainable

The Solrif system is engineered to perform in extreme conditions, delivering unmatched durability and efficiency. Its glass-glass construction ensures peak performance while meeting strict European standards for safety and sustainability.

Available in:

Black

The classic, our clients' favorite pick.

Semi-Clear

For terraces and spots where some sunlight is needed.

Satin

New technology, non-reflective surface for glare-sensitive areas.

Terracotta

Designed for historical city centers dominated by the classic red tile roofs.



Why choose the SOLRIF series solar roof?



Replaces traditional roofs:

Functions as a durable, weatherproof roof while producing solar power.



Pays for itself:

Offers long-term savings on energy costs and reduces reliance on traditional roofing materials.



Optimized design:

Seamless integration eliminates the need for separate solar panel installations.

Specifications:

Efficiency:
22,56 %

Durability:

✓ Resistant to hail	50mm
✓ Snow load-resistant	10500Pa
✓ Wind load-resistant	3600Pa

Warranty:

30 years	for product and efficiency
90 %	output guaranteed after 30 years



☀️ **Agro Solar: A Dual-Purpose Solution for Agriculture and Energy**

More effective agriculture + solar energy

Agrioltaics, also known as Agro Solar, revolutionizes the use of land by combining agriculture and solar power generation on the same plot. This innovative approach maximizes land efficiency, boosts agricultural output, and generates renewable energy — offering a sustainable, win-win solution for farmers and the planet.

Key benefits of Agro PV:

- 

Boosts crop health:
Solar panels provide shade, reducing temperature stress and water evaporation, which improves crop resilience and yields.
- 

Generates renewable energy:
Harness solar power to reduce energy costs and reliance on the grid, increasing energy independence.
- 

Optimizes water use:
By lowering evaporation rates, AgroPV helps conserve water resources while supporting crop growth.
- 

Maximizes land efficiency:
Dual-purpose use of the same land ensures better resource management and higher overall productivity.

AgroPV: A smart & green investment for farmers

Agro Solar combines farming with renewable energy generation, maximizing land use and profitability. This dual-purpose system lowers energy costs, boosts crop yields, and ensures long-term financial returns while supporting sustainable practices. A future-ready solution for modern agriculture.



Turn sunlight into savings without leaving your lounge chair

A Solar Terrace: Provides Shade and Electricity

Why build a terrace with a regular roof, when you can get an electricity-generating one?

Imagine a terrace that not only provides shade and a relaxing outdoor space but also generates clean energy. Our solar terraces are designed to seamlessly integrate into any home architecture, offering a stylish and sustainable (and profitable!) solution.



Key benefits of a solar terrace:



Energy generation:

Harness the power of the sun to reduce your energy bills.



Environmental impact:

Contribute to a greener future by reducing your carbon footprint.



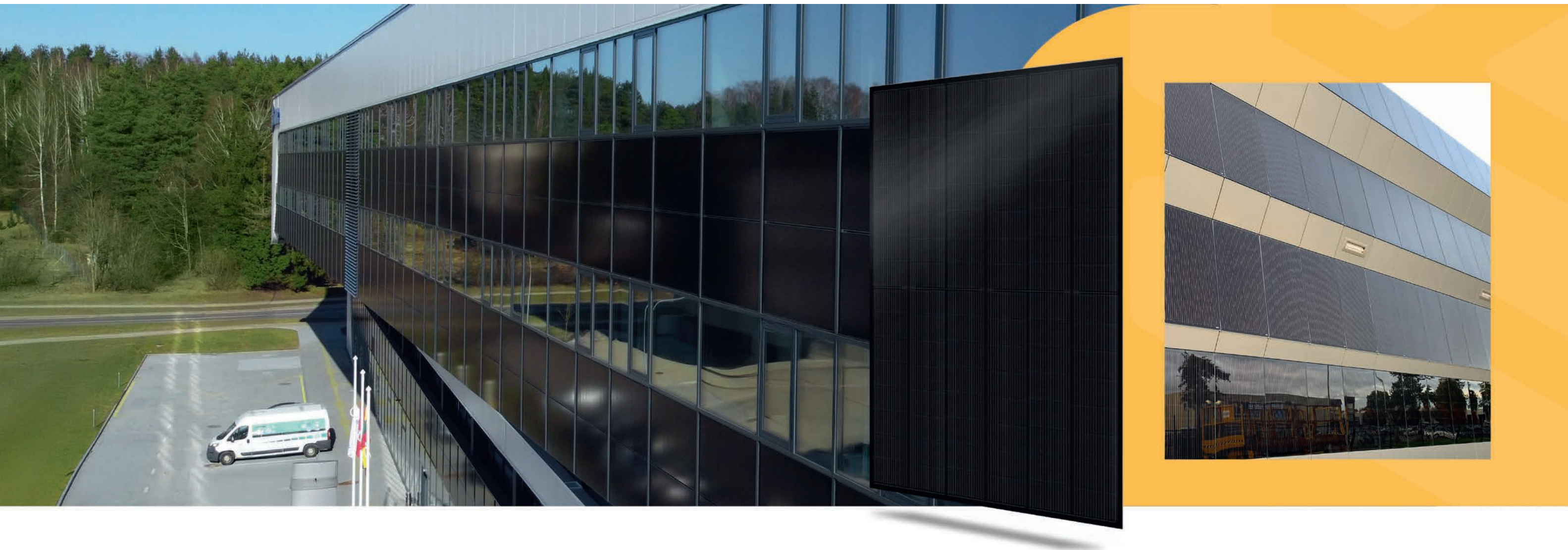
Enhanced aesthetics:

Elevate your outdoor space with a sleek, modern design.



Durability and longevity:

Built to withstand the elements, ensuring long-lasting performance.



Solar-Facade – Walls that Generate Electricity

By blending architectural design with solar power, these Solar facades offer a practical and eco-friendly solution for modern construction and renovations.

With energy prices on the rise, turning passive surfaces into power stations is not just smart — it's essential. Solar facade is a smart investment that reduces long-term operational costs and boosts property value. Why settle for an ordinary facade when you can have one that generates free electricity?



Key benefits of a solar facade:



Modern aesthetics:

Sleek, black panels blend effortlessly into any building, adding a contemporary touch.



Practical solution:

The black solar panel absorbs sunlight, reducing cooling costs.



Energy generation:

Produce clean electricity directly from the building's facade, reducing energy costs and carbon footprint.



Low maintenance:

Solar panels feature a self-cleaning surface, minimizing upkeep while ensuring consistent energy production.

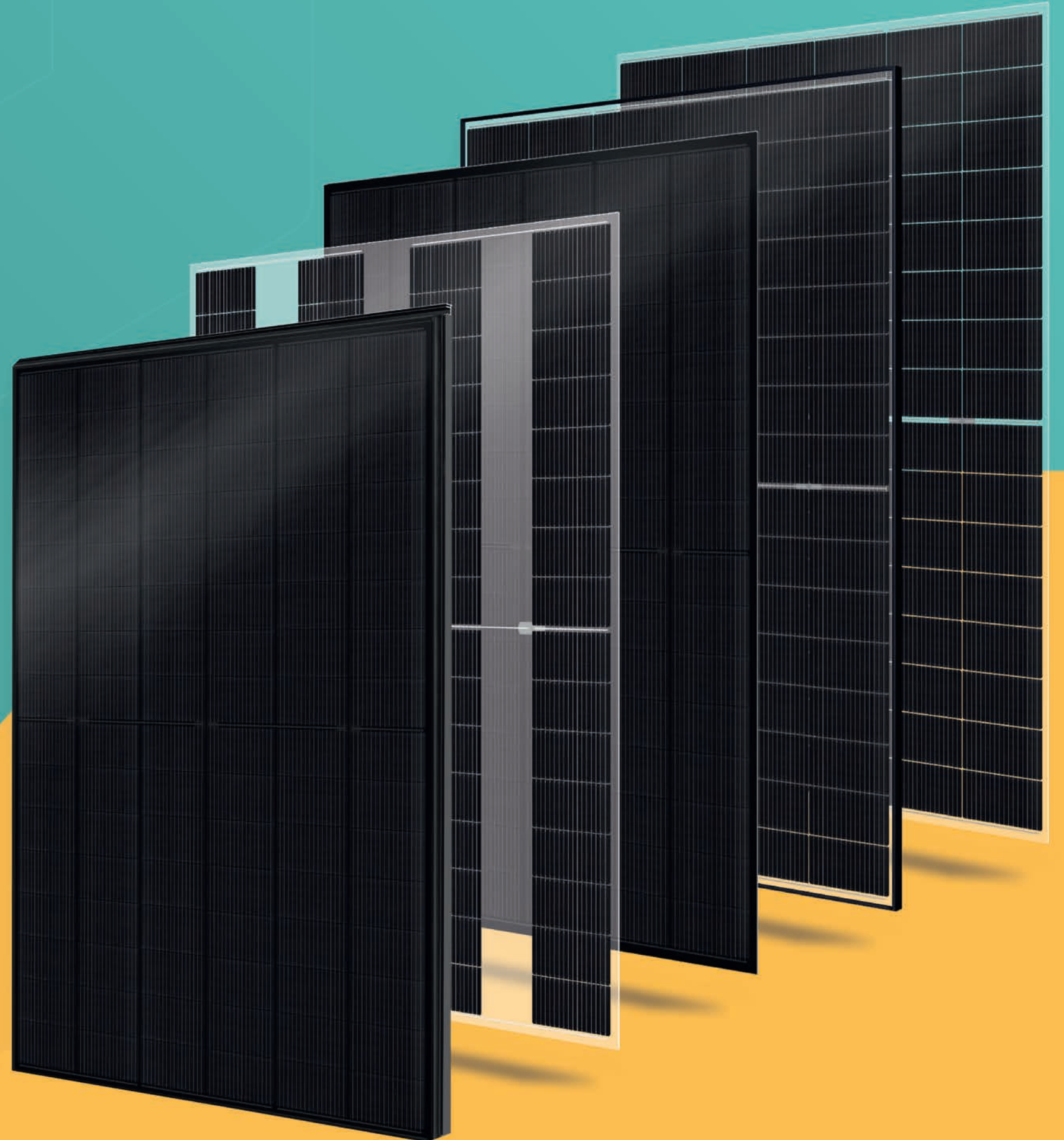


Solar Panels

Responsibly, ethically, and sustainably made in Europe, SoliTek solar panels are among the most durable.

They come with a 30-year warranty and a 50-year expected lifetime. These panels are exceptionally resistant, able to withstand hail up to 50 mm and loads up to 10 500 Pa. They are also virtually non-combustible, with the highest fire resistance rating – class A.

QRious?
Learn more





Extraordinary solutions for everyday solar projects

Premium solar panels for standard installations

Solar solutions thoughtfully designed for everyday installations—both for homes and businesses. These solar modules feature thinner glass, making the installation process significantly easier, while offering durability and longevity that closely match 3+3 mm glass modules and far exceed glass/plastic alternatives.

BLACKSTAR

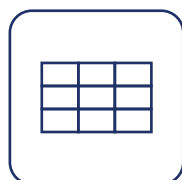
⚡ 455 W

Everyday solar, redefined

One of the most popular for residential installations. Lighter than 3+3 mm modules, full-black, and highly efficient.



90 % efficiency
guarantee after
30 years



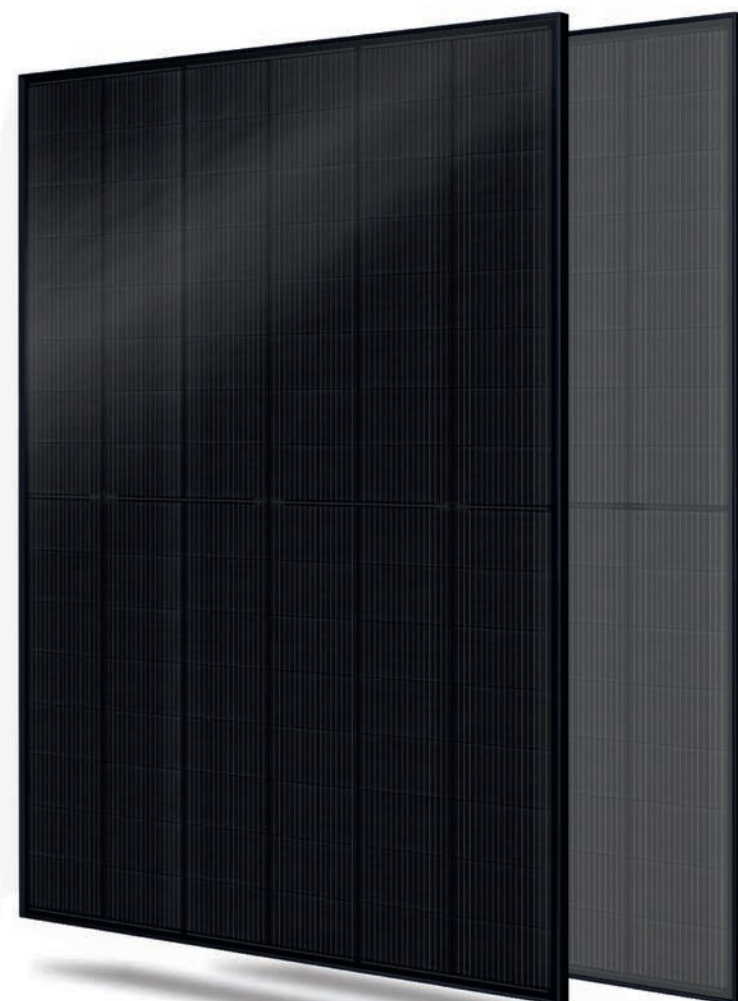
Full-black
design



Hail class 4
IN PROGRESS



Extreme load
resistance



MAGNUS

⚡ 510 W

Ideally sized for big projects

The module mounts on the short edges,
reducing mounting materials significantly.



Ideal for solar
parks & on-ground
installation



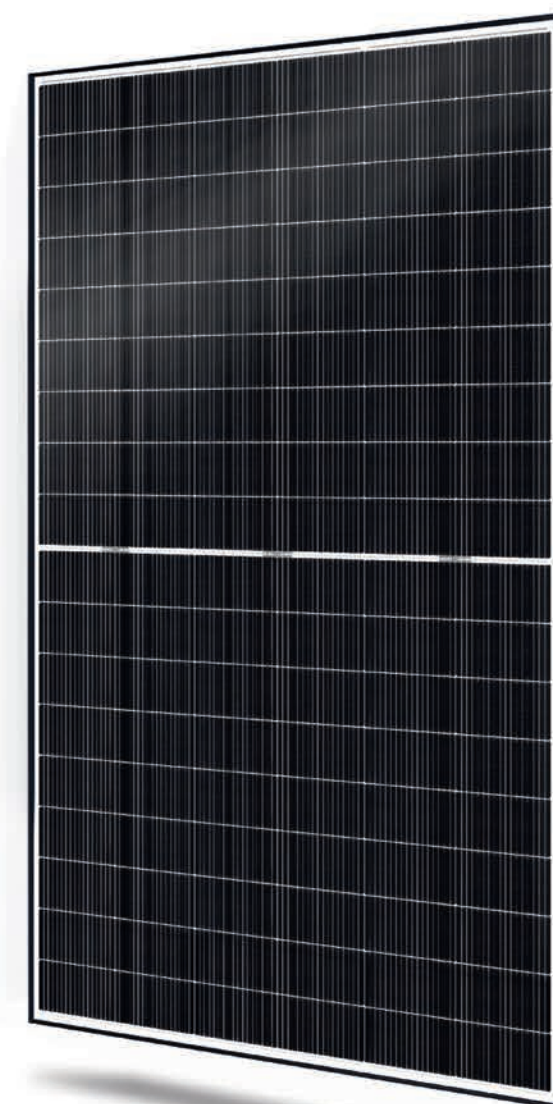
Large dimensions –
ideal for big
projects



90 % efficiency
guarantee after
30 years



Hail Class 4



 The toughest for the challenging integrated projects

Designed for bold ideas and challenging weather

Whether it's a solar roof, solar carport, or any building-integrated solar project – standard solutions just won't do. That's where our unique glass-glass solar panels step in: made from super-sturdy, double 3.2 mm structured TVG glass on both sides, built to be exceptionally tough, safe, and long-lasting.

SOLID series
The most universal



Black
For the best blend with the environment



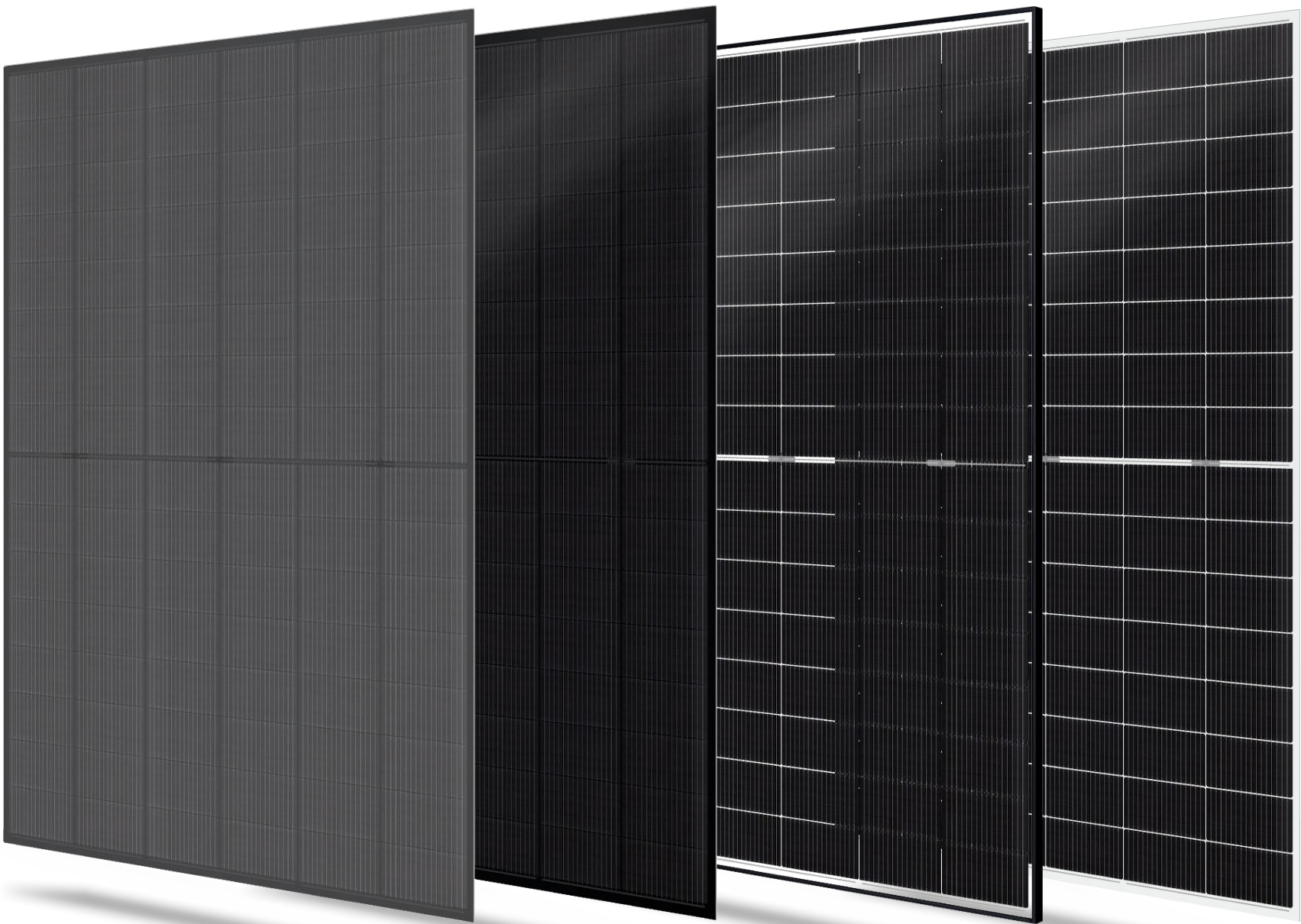
Semi-Clear
For the maximum bifacial effect



Frameless
No frame – no dust/debris



Framed
The toughest solar panel on the planet



 **455 W**



Class 4 – Class 5
40–50 mm

The highest hail class resistance



10 500 Pa

Extreme load resistance



5 400 Pa

Extreme wind resistance



3,2 x 3,2 mm glass



Bifacial effect – up to 30 % more energy



Officially approved for overhead use by DIBt

The toughest for the challenging integrated projects

SOLID series Agro

⚡ 300 W

Sustainable farming boost

Designed for farming, but perfect for terraces, pergolas, and other shade spots



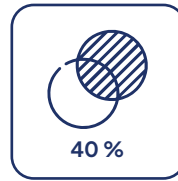
Covers from heat and reduces irrigation needs



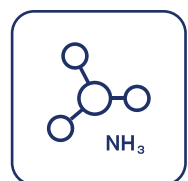
Extreme load resistance



Extreme hail resistance



Increased transparency



Ammonia-proof



Officially approved for overhead use by DIBt



SOLRIF series

⚡ 455 W

Multiple options are available to match your project:

Black – a standard option, the most popular choice

Semi-Clear – ideal for terraces, or other roofs, where semi-transparency is needed

Satin glass option available to prevent the glare of sun

Terracotta – to meet the strict requirements of historic city centers and match terracotta roof tiles



Extreme load resistance



The highest hail resistance class



Solar panels are installed in place of the roofing material



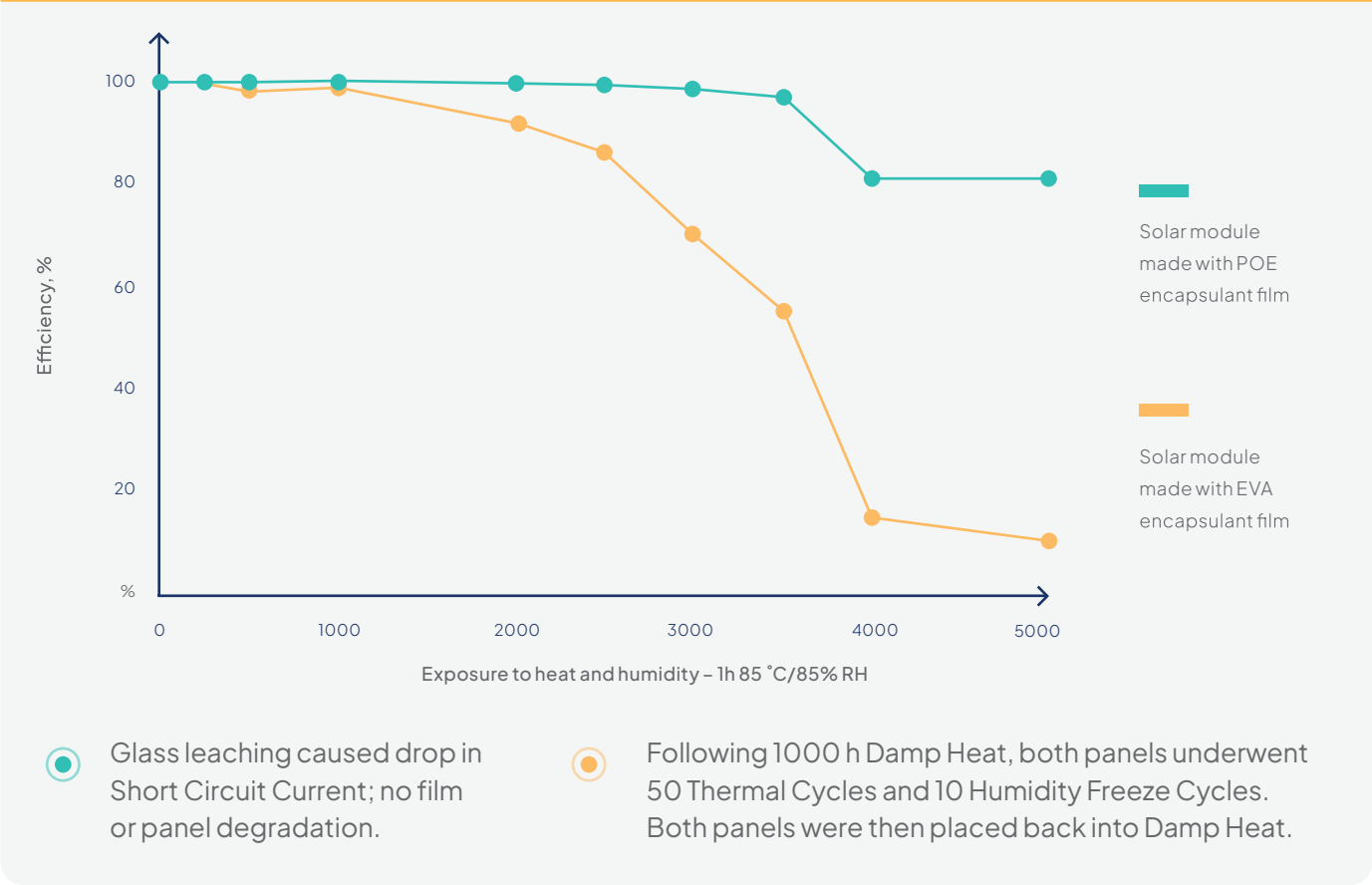
Extreme snow load resistance



POE is the key

Most manufacturers are using EVA encapsulants. | We use POE. And here's why:

POE advantages over EVA in heat & humidity resistance



POE & EVA durability comparison

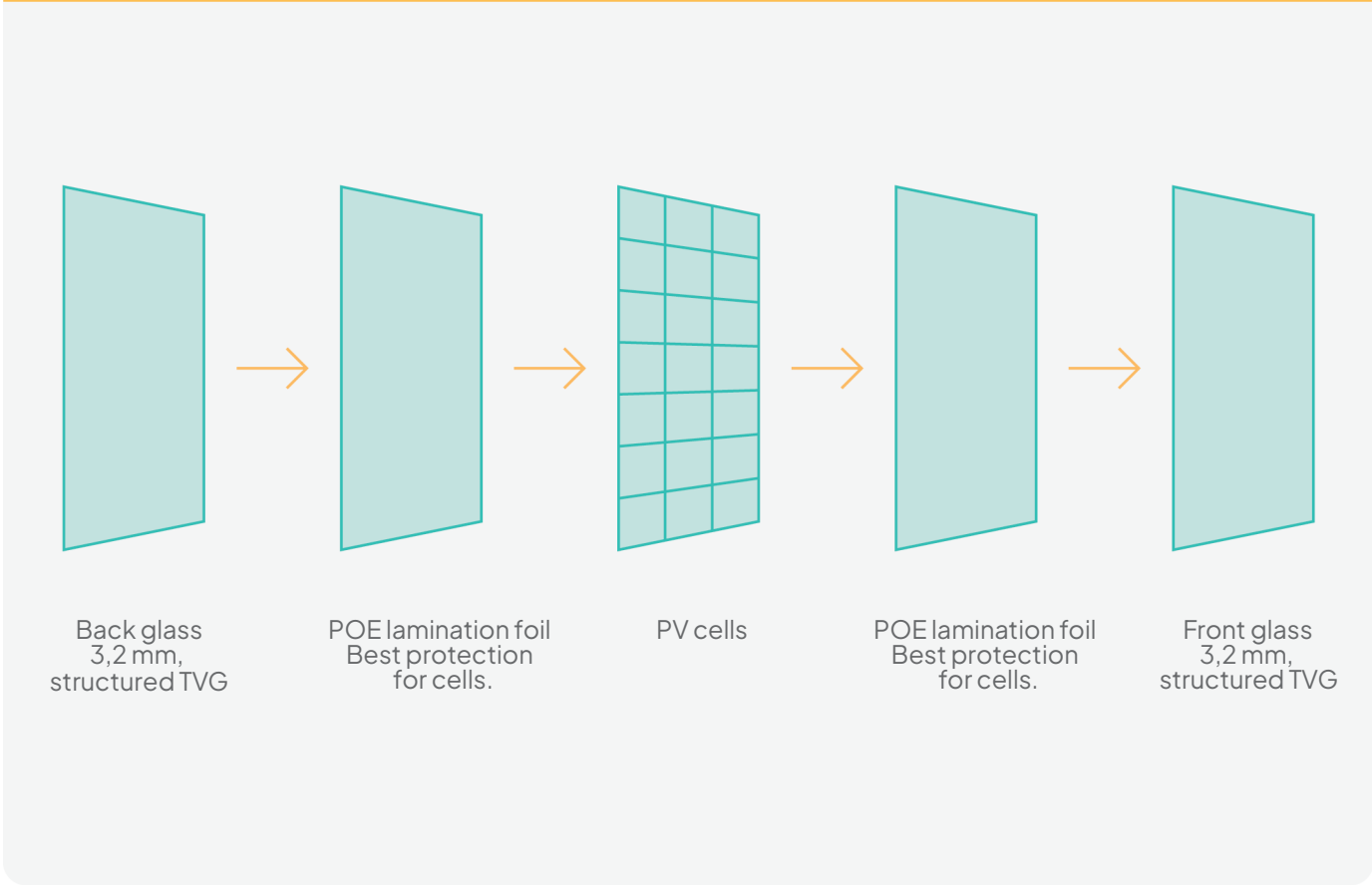
	No Acetic acids	100% Waterproof	No browning	Eliminates PID	Maximum Lifetime	Expected Lifetime
POE	+	+	+	+	+	50 years
EVA	-	-	-	-	-	25 years

* EVA – Ethylene Vinyl Acetate

* POE – Polyolefin Elastomer

Not all glass-glass solar panels are the same

Solitek glass-glass panel anatomy



Highest-grade materials

Each component plays an important role in the lifetime and performance of our panels. By using only the highest grade materials we are able to offer industry-leading product warranties.

No backsheet – no weak spot

Backsheet is a 0.4 mm plastic sheet used in most of the panels on the market today. By eliminating this we are able to dramatically reduce the rate of the panel failure.



All solar panels

Can other solar panels
hold 10 meters of snow?

Our panels can

Load resistance

SoliTek solar panels

10,5 kPa

Market standard

5,4 kPa

are **NOT** the same

Can other solar panels
survive a fire?

SoliTek solar panels can

Certificate class

SoliTek solar panels

Fire class A

Market standard

Fire class C

Can other solar panels
withstand 8-ball-sized hail?

SoliTek panels do

Hail resistance

SoliTek solar panels

50 mm

Market standard

25 mm

Can other solar panels look
like new after 30 years?

SoliTek solar panels are built to last

Product warranty

SoliTek solar panels

30 years

Market standard

15 – 25 years

(the most popular – glass/backsheet)

Globally recognized & leading the industry

Cerificates:



Prestigious sustainability certification that verifies a product is designed for a circular lifecycle, using safe, reusable materials and environmentally responsible processes.

Full Scope,
Silver level,
Version 4.1



A certification confirms that a construction product meets German safety, quality, and regulatory standards for use in overhead glazing building solutions.

abZ, aBG
approvals



A standardized, third-party-verified document that transparently reports a product's environmental impact across its entire life cycle, based on life cycle assessment (LCA).

EPD Certification
524 kg CO₂/kWp



A globally recognized rating system that evaluates a company's environmental, social, and ethical performance across its supply chain.

Bronze rating



A web-based system for tracking and evaluating building materials based on sustainability criteria.

A level rating



A Swedish system that assesses building products based on their environmental and health impacts.

Yellow rating



Certified by Cradle to Cradle®

The one and only in the world

Cradle to Cradle Certified®

Product scorecard:



Material
Health

No toxic materials in solar
panel production

Silver



Product
Circularity

98,8 % recyclable
solar panels

Silver



Clean Air &
Climate Protection

100 % renewable energy
in the production

Silver



Water & Soil
Stewardship

Water use reduction
measures

Silver



Social
Fairness

Employing people with
disabilities, war refugees,
and other vulnerable groups

Gold



Follow us on
social media

Watt's
going on
in solar?

LinkedIn



Watt is
love?

Instagram



Your feed
needs more
solar?

X



Curious how
we power
it all?

YouTube





All you need is sun.

We cover the rest.

QRious?

Learn more



 solitek.eu