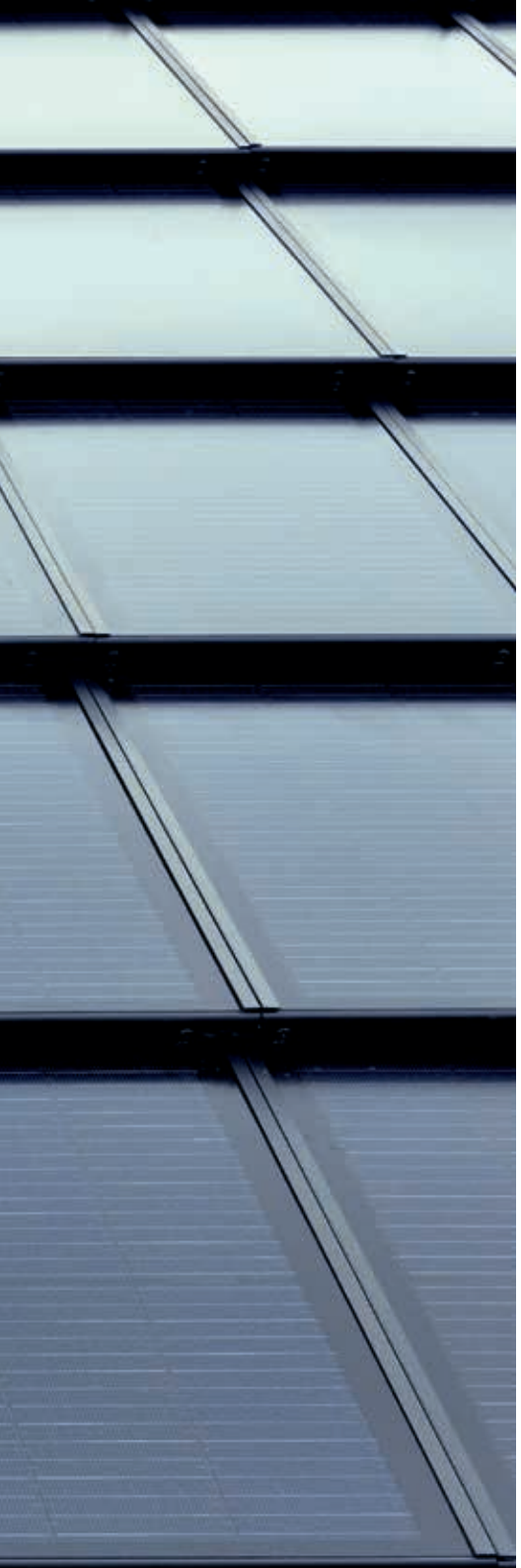
Meyer Burger Tile

The solar roof tile in Meyer Burger quality



Your roof, but better

The power of the sun hidden in design

The solar roof tile – for a modern roof that protects, generates electricity and impresses with its simple elegance.

The most beautiful electricity in the world, directly from your own roof

Meyer Burger Tile combines high-quality aesthetics with innovative solar technology. Invisible integration keeps the technology hidden while the roof shines in perfect beauty.

Transforms complex roofs into powerful solar power plants

Especially suitable for roofs with many disruptive elements such as dormers, windows, or chimneys. Meyer Burger Tile maximizes output on complex surfaces.

Historic preservation and solar energy hand in hand in roofing

Perfect for listed buildings, energy-efficient renovations, or high-end new constructions: Meyer Burger Tile blends tradition with innovation, without compromising on aesthetics or performance.

Versatile combination with various roof tiles

The lightweight solar roof tile can be combined with roof tiles from various manufacturers, allowing installation in rows or offset.

Energy that fits the roof

When form and function merge

Energy from every corner

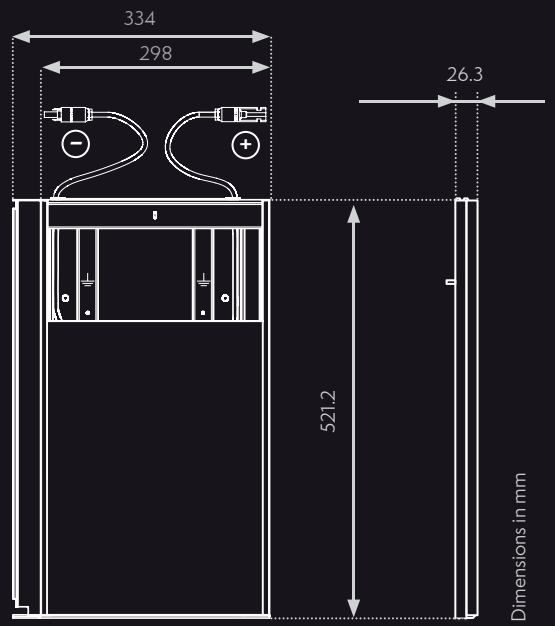
Why mount solar modules on high-quality roof tiles when the solar cells can be integrated directly into the tile?

The solar roof tile is ideal for listed or intricate roofs due to its design.

Meyer Burger Tile is on par with conventional roofing and can even fully replace it. No special substructure is required for installation.

Like any other roof tile, Meyer Burger Tile is waterproof and fire-resistant. It is classified as „hard roofing" in fire protection standards.

Unlike any other roof tile, Meyer Burger Tile sustainably converts sunlight into electricity, making every corner of the roof a sustainable energy source.

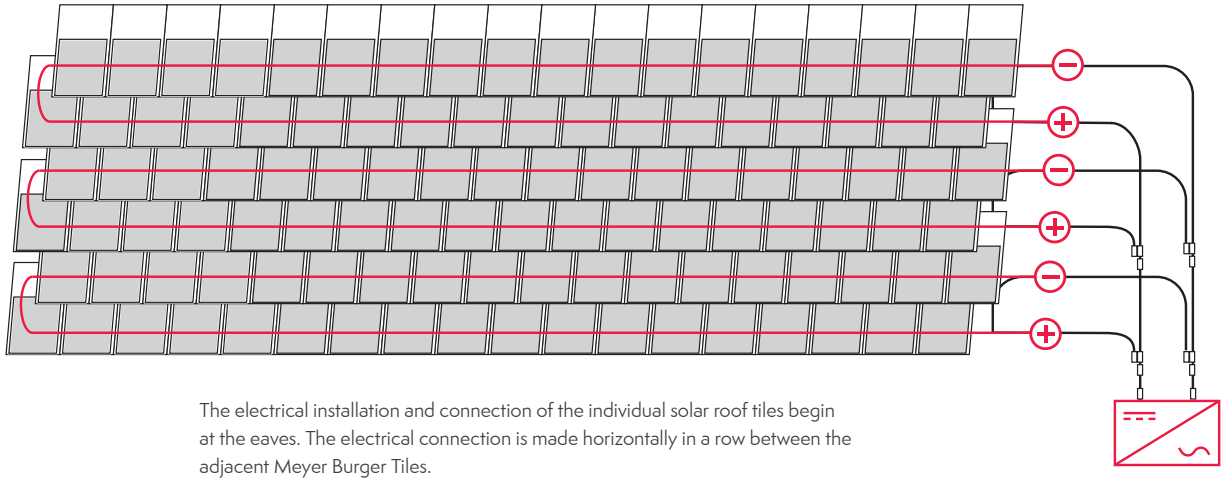


A powerful lightweight

Little visible, much feasible

Wired in series to step out of line

Installed like conventional roof tiles and quickly connected, the series wiring of Meyer Burger Tiles simplifies installation significantly. This saves time and effort during roofing, turning even the most disrupted and demanding roofs into a powerful, almost invisible solar power plant. Meyer Burger Tile makes a lot of things possible without requiring a lot of work.



The electrical installation and connection of the individual solar roof tiles begin at the eaves. The electrical connection is made horizontally in a row between the adjacent Meyer Burger Tiles.

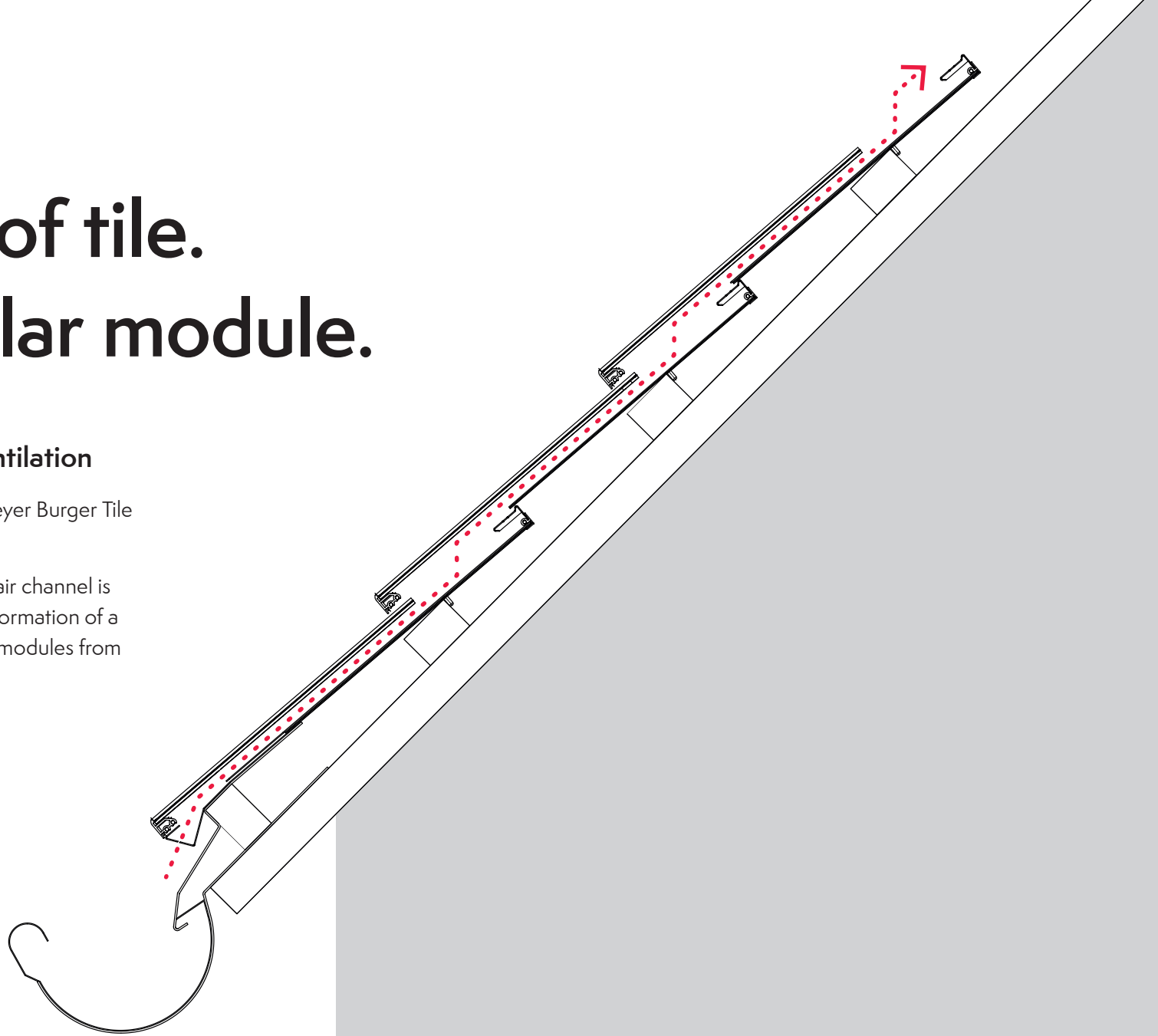
More than just hot air

It is a roof tile.
It is a solar module.

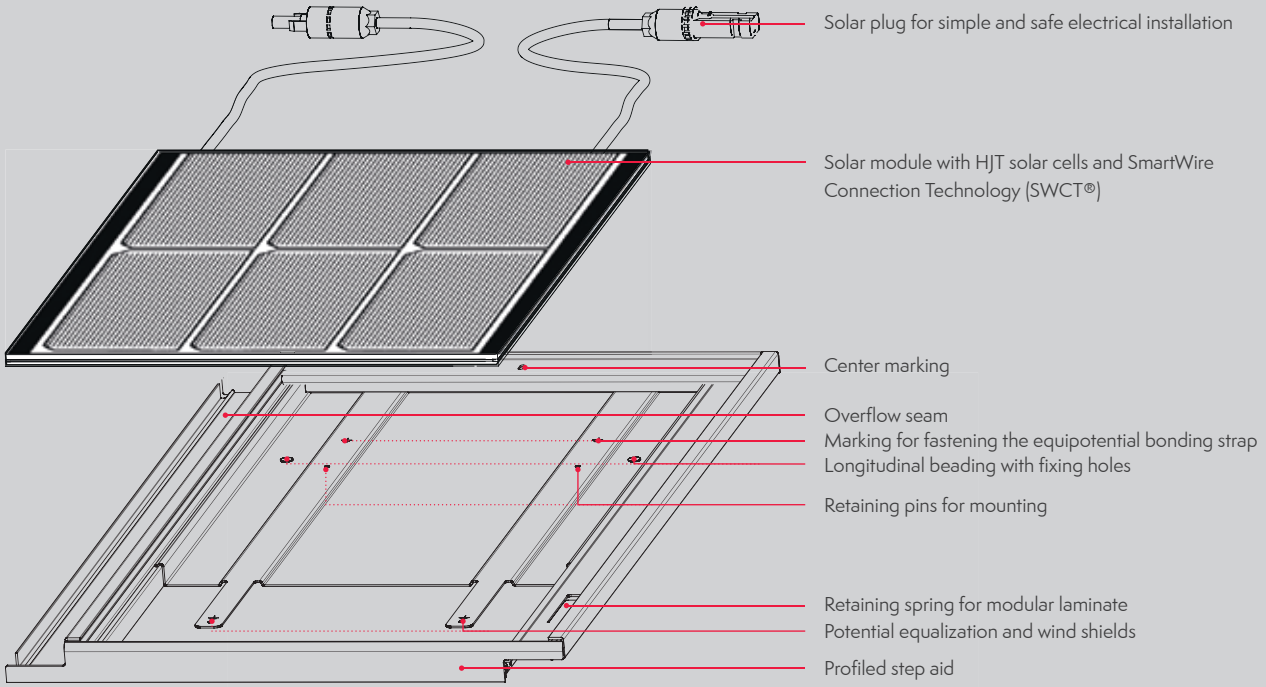
Designed for ideal ventilation

The double housing of the Meyer Burger Tile ensures optimal airflow.

When installed, a continuous air channel is created, which promotes the formation of a chimney effect that cools the modules from the backside.



Assembly of the Meyer Burger Tile



Size does matter

Meyer Burger Tile is a big deal when it comes to small, complex roof geometries or irregular roof surfaces. This is where the innovative solar roof tile shows its full potential. Roofs that seem unsuitable for solar are suddenly transformed into the most powerful and beautiful power plants in the entire neighborhood.

For roofs that can do more

Elegance that pays off

Profit from peak performance

Our motto is: “Start strong and never fade”. Meyer Burger solar roof tiles offer more than protection, they pay for themselves. They combine the durability of traditional roof tiles with the added capability of generating clean solar energy—a combination that is hard to beat.

Thanks to the patented Heterojunction SmartWire Connection Technology (SWCT®), the Meyer Burger Tile reliably generates solar power for decades, still delivering at least 93% of its original performance after 30 years. To guarantee the highest efficiency and longevity, each tile must meet IEC standard requirements three times over. Supported by a 30-year product and performance warranty, Meyer Burger solar roof tiles turn any roof into an elegant, profitable energy source.

The first true solar roof tile

Meyer Burger Tile

Solar roof tile with Heterojunction SmartWire Connection Technology (SWCT®)

Mechanical specification

Dimensions L x W x H	[mm]	521.2 x 334.0 x 26.3
Weight	[kg]	2.8
Deck width	[mm]	300.0
Deck length	[mm]	340.0
Number of Tiles	[n/m²]	10
Min. roof pitch[1]	[°]	≥ 35
Front cover		solar glas 3.2 mm, textured
Back cover		float glas 3.0 mm
Housing		powder-coated aluminum [RAL 9005]
Solar cell type		6 half-cells, mono n-Si, HJT with SWCT®

Construction

Roof battens/substructure	requirements according to manufacturer's specifications of complementary roof tiles[2]
Cabling	horizontal stringing
Screw connection	mounting with 4 screws
Special complementaries	snow guard holder, roof, etc.

Electrical specifications

Minimum power (power tolerance +/- 0.3 W)			**STC**[3]
Modul power	P_{max}	[Wp]	17
Efficiency	η	[%]	16.7
Temperature coefficient P_{MPP}[4]	γ	[%/K]	-0.259

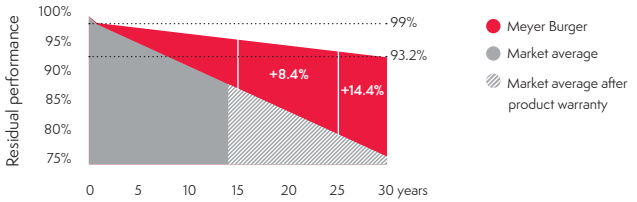
Property of system design

Max. system voltage	[V]	600
Max. test load[5]	[Pa]	+12,000/-2,400
Operating temperature	[°C]	-40 – +85

Meyer Burger Warranty[6]

Product & performance warranty	30 years
Performance after 1 year	≥ 99% of rated power
Annual degradation	0.20% p. a.
Performance after 30 years	≥ 93.2% of rated power

Linear performance warranty



Certificates

General building inspectorate test certificate (abP)
Fire protection class, B_{ROOF} (t1) / EN 13501-5
Hail test with 55 mm hailstone according to IEC 61215 (MQT17)
Mechanical load test: + 12,000 Pa
Certifications applied for: IEC 61215, IEC 61730

Residential system
(roof-integrated)

Commercial system
(roof-integrated)

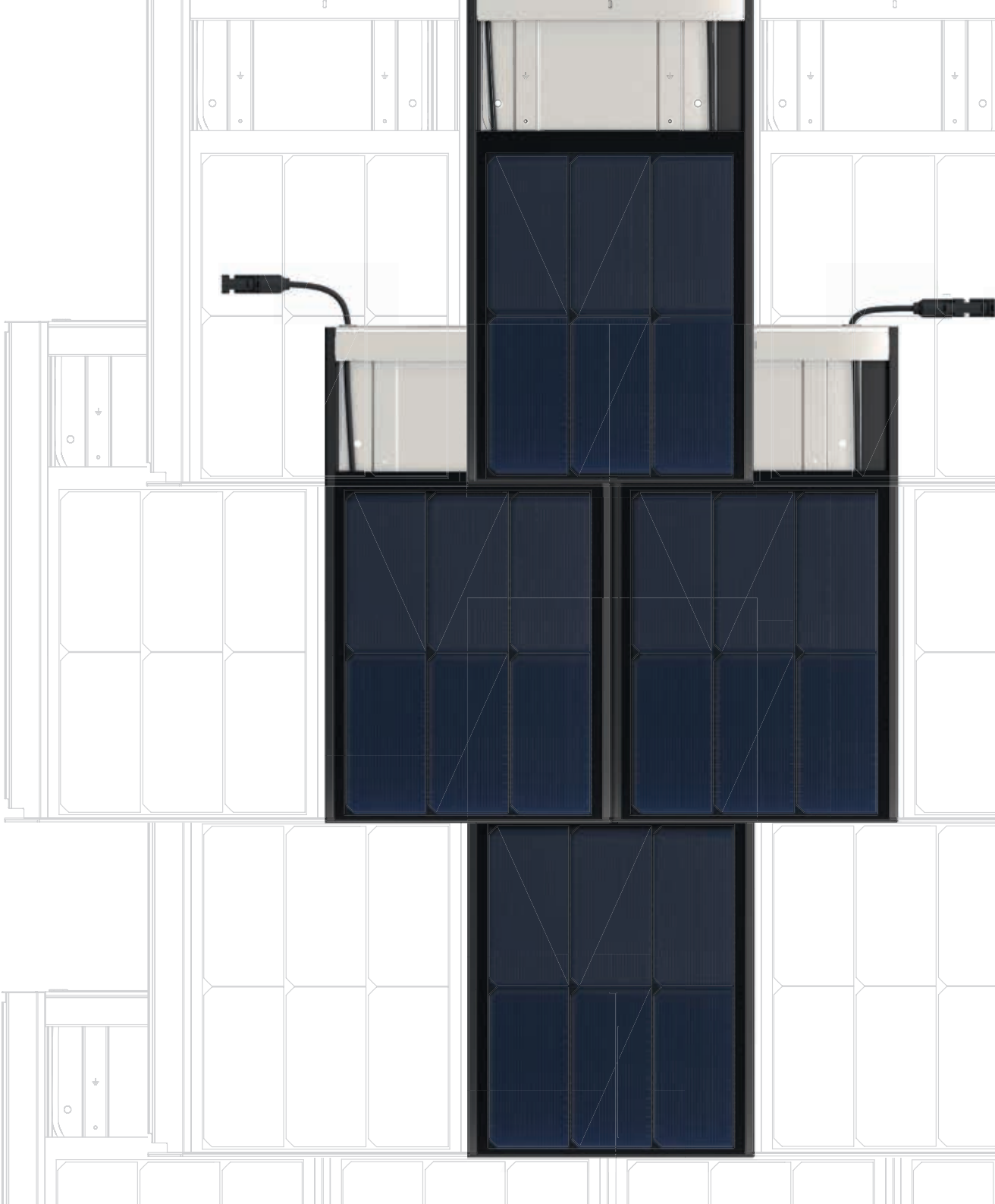
Lead-free

Made in Europe.
Designed in Switzerland.

WEEE-Reg.-Nr. DE 73583316

All data and specifications are provisional and may be subject to change at any time.
Source: Data sheet Meyer Burger Tile, Status: MB_BF6AyBT_17_Version Q3_2024_V3_en

[1] Roof pitches of ≥ 20° are possible with rain-protected under-roofs
[2] Complementary tiles, e.g., Braas Tegalit, Nelskamp Planum, Creaton Kapstadt
[3] According to STC: Irradiance 1,000 W/m², module temperature 25 °C, spectrum AM1.5G, measurement according to IEC 60904-3, measurement tolerance: ±3%
[4] The mentioned temperature coefficient is a linear value
[5] Safety factor for test load = 1.5
[6] Warranty conditions apply



Willy Burger and Hans Meyer toast to the tenth anniversary of their joint company in 1963.

70 years old, 40 years of solar experience

Grüezi at Meyer Burger

Because quality never gets old

Founded in 1953 in Switzerland as a manufacturer of precision machines for the watch industry, Meyer Burger has been a part of the solar industry for more than 40 years. With a range of significant industrial standards, Meyer Burger forms the technological backbone of the industry. The majority of solar modules produced worldwide are based on technologies developed and industrialized by Meyer Burger.
Our strength: We develop the machines and technology with which we manufacture our modules ourselves and protect them with a range of patents.

From Switzerland into the world

1953 Hans Meyer and Willy Burger founded a company for precision machines for the watch industry.

1972 With the DS 262 inner band saw, Meyer Burger enters the semiconductor industry.

1983 With the founding of Pasan, Meyer Burger enters the solar industry.

2002 With the DS 262 wire saw, Meyer Burger becomes indispensable in the solar industry.

2008 Meyer Burger builds the first pilot plant for solar cells with Heterojunction Technology (HJT)

2013 Meyer Burger invents the solder- and lead-free SmartWire Connection Technology (SWCT®).

2016 The DW288 Series 3 from Meyer Burger sets new standards for mono wafers.

2019 Meyer Burger continues to research perovskite; combined with HJT cells, efficiencies of over 30% are possible.

2021 At Intersolar Europe, Meyer Burger presents the innovative solar roof tile for the first time.

2024 Meyer Burger opens a manufacturing facility in Arizona and starts module production in the USA.

Lead-free and care-free

Clean hands are the best way to work

Always stay clean

Sustainability is part of our DNA. We avoid toxic substances like lead and work towards a waste-free production process as well as complete recycling of our modules and solar roof tiles. Our facilities use 100% renewable energy.

Fair working conditions are equally important to us – free from forced labor and in accordance with ESG standards. We respect human rights, ensure the well-being of our employees, and support their ongoing education. As a global company, we take responsibility for society, ensure impeccable supply chains, and uphold high social standards with our partners.

Environment
With strategic initiatives, we combat climate change, reduce CO_2 emissions, and ensure effective water management. Together for a better environment!

Social
We place great importance on the well-being of our employees, diversity, and fair working conditions. Human rights are central to us and shape our actions.

Gouvernance
We emphasize financial transparency, fair compensation, and strict anti-corruption measures. With strong risk management, we ensure ethical conduct and sustainable business practices.

Excellent quality

- Honored with the PV Magazine Award 2022
- Extremely high robustness and stability thanks to Meyer Burger solar components with Heterojunction SmartWire Connection Technology (SWCT®)
- 30-year product and performance warranty
- Robust and durable housing made of powder-coated aluminum
- Highly aesthetic product design for exquisite elegance on the roof

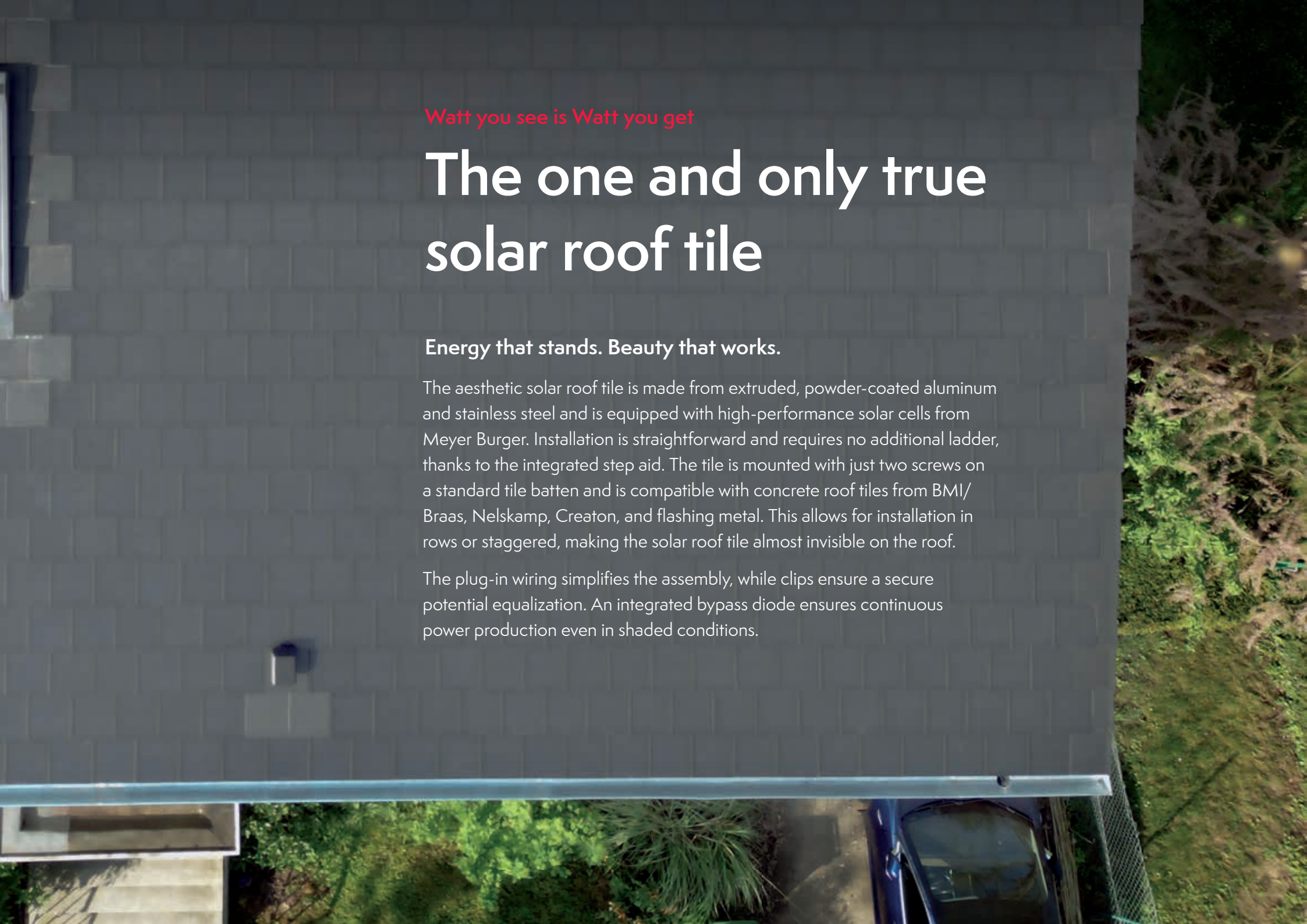
Proven stability

- Classification as hard roofing according to EN 13501-5
- Hail-resistant in accordance with IEC 61215 and 55 mm hailstones[1]
- Ventilated housing for cooling of the module
- Compatible with complementary tiles from leading manufacturers

Easy mounting

- As with conventional roof tiles
- Tiles can be replaced individually
- Only 2.8 kg per tile
- Built-in step aid
- Data available in PV*Sol for photovoltaic simulation

[1] test in our own VDE-accredited test laboratory



Watt you see is Watt you get

The one and only true solar roof tile

Energy that stands. Beauty that works.

The aesthetic solar roof tile is made from extruded, powder-coated aluminum and stainless steel and is equipped with high-performance solar cells from Meyer Burger. Installation is straightforward and requires no additional ladder, thanks to the integrated step aid. The tile is mounted with just two screws on a standard tile batten and is compatible with concrete roof tiles from BMI/ Braas, Nelskamp, Creaton, and flashing metal. This allows for installation in rows or staggered, making the solar roof tile almost invisible on the roof.

The plug-in wiring simplifies the assembly, while clips ensure a secure potential equalization. An integrated bypass diode ensures continuous power production even in shaded conditions.

meyerburger.com/tile