

SOLARSTONE

Solar Full Roof™

solarstone.com



Solar Full Roof™

The Beauty of Doing More

This is much more than a roof. It's a smarter way to build, live, and think about energy. At Solarstone, we believe no surface should serve just one purpose. Every roof can protect, produce, and preserve, without sacrificing aesthetics, efficiency, or simplicity.

The Solar Full Roof turns your home into a high-performance system. It's a single decision that replaces complexity with clarity, layers with integration, and compromise with confidence. Because the real beauty isn't in what it looks like. It's in how much more it does.

What is Solar Full Roof™?

Forget panels — this is solar built into the very fabric of your roof. **It's a complete roofing system with clean energy built in.** Solar Full Roof replaces traditional tiles and bolted-on panels with a unified surface that generates electricity while protecting your home. It's designed for simplicity, performance, and lasting beauty.



Whether you're building new or fully renovating, this is the smarter choice. One roof, one install, one long-term solution. No extra layers, no aesthetic compromises, just a future-ready roof from the moment it's in place.



The 3-in-1 Roofing System

It starts as a roof. A full, certified roofing system that protects your home from wind, snow, fire, and time. Every component, from tiles and flashing to brackets and ventilation, is designed to work together as one. It's a real roof first, and a smart one second.



It works as a powerplant. Solar modules are built right into the structure, turning your roof into a clean energy generator from the moment it's installed. No surface wasted. No extra layers. Just electricity flowing directly to your home with minimal loss and maximum control.

Yet it delivers something bigger. When one roof can protect your home, power your life, and reduce your footprint, all at once, it becomes a different kind of investment. One that saves more than energy. One that makes sense now, and even more sense later.



What makes Solar Full Roof™ unique?



Elegant & beautiful

Designed to complement architecture, not compete with it. The roof becomes part of the design vision, with clean lines, discreet integration, and timeless color options.



Cost-Effective Solution

A solar solution with higher productivity – designed to deliver more value per m².



Warranty You Can Count On

30-year power output warranty and 25-year product warranty. Backed by real-world performance and proven durability.

One Partner

A single point of contact for design, delivery, and support. No coordination headaches between roofers, solar suppliers, and structural engineers—just one aligned team.

3-in-1 Roofing Material

A complete roofing system that combines structural protection, solar generation, and long-term savings—all in one product. Less material, fewer trades, lower total cost of ownership.

Built for Energy Independence

When paired with an inverter and storage, Solarstone helps power your home through outages and fluctuating prices. Energy security isn't a luxury—it's part of

Made in Europe (EU)

Manufactured in Europe's largest BIPV facility in Estonia, using precision CNC and advanced testing. High output capacity means fast delivery and consistent quality.

Extreme Weather Tested

Tested at the Norwegian University of Science & Technology and in extreme climates from the Lofoten Islands to the Swiss Alps. Built to withstand snow, wind, heat, and hail—without loss of performance or aesthetics.

Compliant with EU Solar Mandate

Prepared for the Energy Performance of Buildings Directive. By 2029, solar will be required on most buildings in the EU. With

Plan with Confidence

Our 3D Roof Planner helps roofing professionals create precise layouts, detailed 3D models, and a full Bill of Materials—ensuring every unique roof is planned for maximum efficiency and ROI before a single tile is placed.

Increased property value

Real estate experts and banks agree: homes with Solarstone roofs sell for more. Clean energy and lower costs are upgrades buyers recognize.

Easy to Install

Full system integration, and modular design mean faster jobs, fewer errors, and less disruption. A full roof and energy system in one seamless installation.

Warranty & Performance

Solar Full Roof is built to last, not just in structure, but in output. Every system comes with a 30-year performance warranty, ensuring strong energy generation decade after decade. The product warranty covers 25 years of material quality and manufacturing integrity, so you can invest with confidence.

Tested against the toughest European climates, our roofs meet top fire safety standards (Broof T1/T2) and withstand heavy wind uplift and snow loads. From design to delivery, everything is engineered for durability, efficiency, and peace of mind.



Other Solarstone Products

The Solarstone product family is built on the same principle: make every surface work harder, look better, and last longer. In addition to Full Roof, we offer smart solutions for a variety of buildings and use cases, each designed to integrate solar power without disrupting design.



Solar Tiled Roof™

Ideal for renovations or projects using traditional clay or concrete tiles. It fits seamlessly into complex or heritage-style roofs while generating clean energy.



Solar Power Carport™

Turns your driveway into a personal power station—shelter, charger, and solar plant in one. Built from galvanized steel, it's as strong as it is smart.



Technical data

ELECTRICAL DATA

BIPV Module Peak Power (P _{max})	430 Wp / 215 Wp / m ²
BIPV Module Efficiency	22 %
Maximum Reverse Current (I _R)	30 A
Maximum System Voltage (V)	1500 V
Open circuit voltage (V _{oc})	38.44 V
Short circuit current (I _{sc})	14.25 A
Maximum power voltage (V _{mpp})	31.86 V
Maximum power current (I _{mpp})	13.5 A

CERTIFICATES

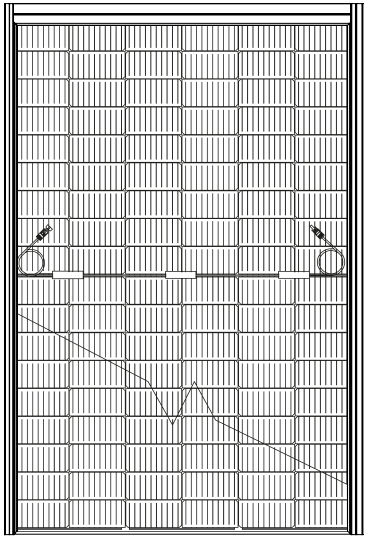
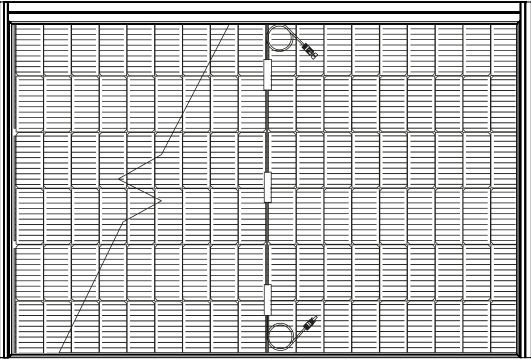
Fire Class Certification	UNI 9174: Class 1 EN 13501-5:2016 Broof _(t1) , Broof _(t2)
Wind Driven Rain	CEN/TR 15601:2012: Class B minor seepage under extreme conditions but still meets functional requirements
EN Directives	EN IEC 61730 - Photovoltaic (PV) modules - Safety qualification EN IEC 61215 - Photovoltaic (PV) modules - Design qualification
Environmental Product Declaration	According to ISO14025 and EN15804 +A2
Patent (Europe)	EP 4 150 75 7B1

WORKING CONDITIONS

Operating temperature	-40°C to +85°C
Mechanical load (snow)	5400 Pa (~550 kg/m ²)
Mechanical load (wind)	2400 Pa (~224 kg/m ²)
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	15 degrees

IMPORTANT!

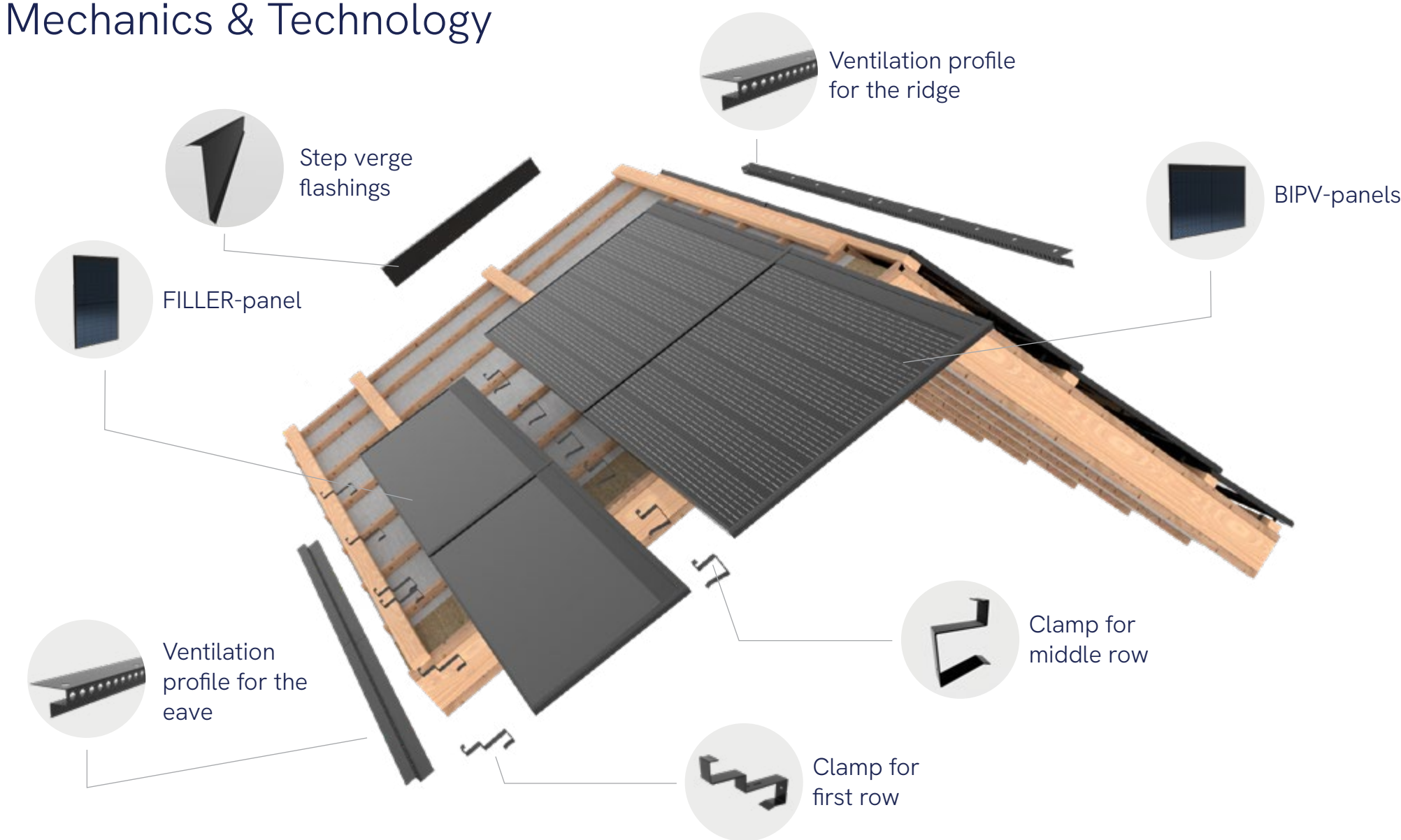
- Use only with inverters with Arc-Fault Circuit Interrupter (AFCI)
- For underlayment use only membrane for PV-panel type, water-tight, UV-resistant, temp. range: -40°C to +120°C
- Read safety and installation instructions before using the product.



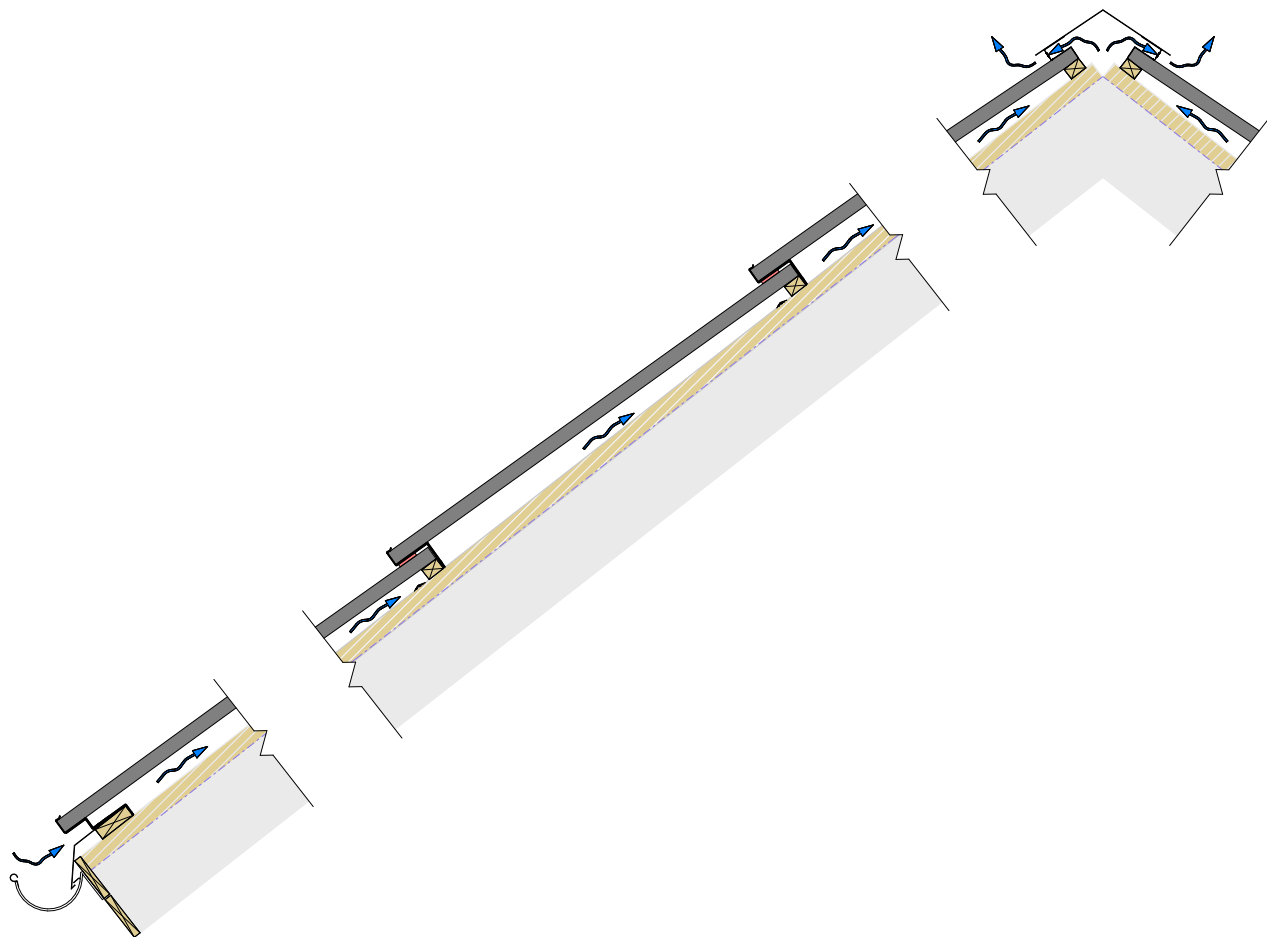
MECHANICAL SPECIFICATIONS

	Landscape, KIT-A	Portrait, KIT-A
External dimension	1791 x 1195 x 41mm	1203 x 1783 x 41mm
Visible area dimension	1754 x 1140	1166 x 1730
Weight	28.5 kg, 13.3 kg/m ²	29 kg, 13.5 kg/m ²
PV-module	FuturaSun Silk® Nova Duetto All Black 420-430W	
Cells	108 monocrystalline half-cut MBB n-type bifacial cells 182 x 91 mm	
Glass	Front - 2.0 mm solar glass with ARC Back - 2.0 mm heat strengthened glass	
Frame	Black anodized aluminum frame on PV-panel & Solarstone Click-On EU-G2.5-35x35, Color: RAL9005	
Warranty	30-year performance warranty, 20-year product warranty and 2-year consumer warranty	

It's Not Magic, It's Mechanics & Technology



The Smartest Way to Roof Your Home



Watch the
installation of
Solar Full Roof

The Solar Full Roof system replaces any traditional roof with a fully building-integrated solar roof. At its core is Solarstone's globally patented Click-On framing kit, which transforms a standard PV panel into a robust and weatherproof BIPV module.

The system is rigorously tested for safety and durability: it is fire-resistant and meets top European standards; certified against external fire exposure; and proven to endure heavy wind-driven rain. It remains fully functional, strong and rugged, and well-ventilated — even in the most demanding Nordic climates.

Solar Full Roof™

More Than a Roof, a Smarter Standard. Solarstone Full Roof protects your home, powers your life, and prepares you for what's next—all without adding complexity or clutter. It's not an extra layer; it's a smarter start to everything that follows.

Join us. Make the roof over your head the **first and strongest step toward a more independent, sustainable life.**



Ready to begin?

Find your local Solarstone partner at solarstone.com/contact-us or get in touch with us directly. We're here to help you do more.



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