

TECHNICAL SPECIFICATIONS

Solar Full Roof™

The most efficient method to incorporate top solar products into your roof while preserving the aesthetics of your beloved home.

Durable building-integrated rooftop solar modules replacing traditional roofing.

Standard size PV panels and aluminium composite panels (ACP) converted into waterproof roofing system.

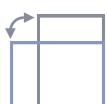


APPLICATION

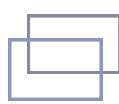
- New-builds & renovation projects
- Residential and public buildings
- Production & ancilliary facilities
- Carports
- Facades

ADVANTAGES

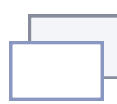
- 2-in-1 PV system for portrait & landscape installations
- Passive dummy modules for roof perimeter & obstacles
- Most popular Tier 1 PV panels
- Easy onsite assembly & installation



Portrait Landscape



Passive Active



Eco Premium



Lasting Value

SOLAR FULL ROOF™ SPECIFICATIONS

Warranty	10-year product & 25-year power output
Roof pitch	18-90°. <18° with SBS/PVC underlay
Temperature range	-30°C to 100°C
Compatible roof windows	Velux, Roto, Keylite, Fakro
Compatible roof materials	Concrete tile, metal, fiber cement, slate, shingle

COMPONENTS

Starter 1st row clamp

Product code: SCO-432.3050S



Regular clamps

Product code: SCO-432.3050RR



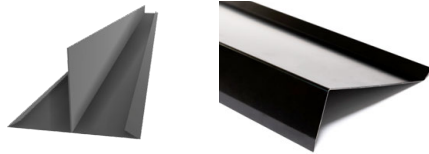
PV panel coupled with Click-on® framing kit

Product code (landscape): SFR-A32311.01

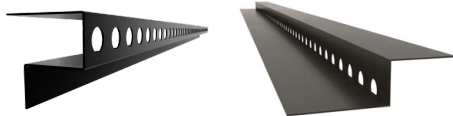
Product code (portrait): SFR-A32321.01



Barge, valley, ridge, transition flashings



Ridge and eave ventilation profiles



SOLAR PANEL TECHNICAL DATA

Manufacturer

Power output

Cell type

Number of cells

Module efficiency

Weight

Dimensions

Snow load

Warranty

Certificates

Risen

390 W

Monocrystalline

120

20.3%

21 kg

1754 x 1096 x 30mm

5400 Pa (550 kg per panel)

25-year linear output warranty

IEC 61215, IEC 61730

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

TESTS & CERTIFICATION



- Electrical: IEC 61215 & 61730
- Wind: EN 14437:2004
- Fire: B_{roof}(t1)(t2)
- Snow load: 5400 Pa
- Water tightness: EN-15601

NON-ACTIVE MODULES

Size

Safety

Weight

Features

Lacquering

Total thickness

Temp resistance

Thermal conductivity

Temper of aluminum layers

Tensile strength of aluminum

Non-active module

1:1 or 1:2 PV panel size or custom

Fireproof, electrostatic proof

7.8 kg/m²

Water-, fire- and electrostatic proof, anticorrosive

Coil Coating, Fluorocarbon based (e.g. PVDF)

30 mm

-40 to +80 °C

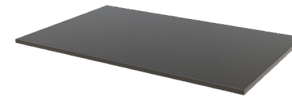
λ3

Peraluman alloy (AlMg)

H42 acc. EN 573-3

≥ 125 N/mm²

Non-active module with Click-on®



SOLAR ROOF CALCULATOR

Designed for BIPV



Online tool helps automate layout generation and facilitates dimensioning of patented Solarstone® PV systems. Ask sales representative for access.

app.solarstone.com

SOLAR PANEL TECHNICAL DATA

JA Solar

365-370 W

Monocrystalline

120

19.6-19.9%

20.7 kg

1769 x 1052 x 35mm

5400 Pa (550 kg per panel)

25-year linear output warranty

IEC 61215, IEC 61730

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

IEC TS 62941:2016

MATERIALS

- Powder coated stainless steel AISI 304 clamps
- Coated and anodized aluminium profiles EN AW 6060F22 T6
- Top profile PVC is extruded of recycled plastic material
- Minimal waste in production line and at the end of the product life.
- ~100% recyclable

