

BISOL

BISOL BIPV



Aesthetic in-roof system that replaces conventional tiles

BISOL BIPV in-roof system is a building integrated photovoltaic solution that seamlessly integrates into your existing or new roof. The system forms a watertight solar power generating roof surface and thus removes the need for traditional roof tiles. An assortment of colours for the system components as well as the BISOL PV modules forms a sleek and luxurious appearance to satisfy desires of the most demanding and detail-oriented customer.



Why this mounting solution?

- ▶ Elegant and aesthetic
- ▶ Easy installation and servicing
- ▶ For 10 – 70° roof pitches
- ▶ No need for roof cover
- ▶ Ventilated substructure



Individual components

Component	ID Code	Component description
1	SEK-BIPV-003	Top mounting clamp for flat sheet metal connections, without screws
2	SEK-BIPV-004	Mounting clamp glass stainless spring steel, black, without screws
3	SEK-BIPV-039	Mounting clamp glass stainless spring steel, silver, without screws, sea water resistant
4	SEK-BIPV-009	Mounting clamp profile stainless spring steel, black, without screws
5	SEK-BIPV-048	Mounting clamp profile stainless spring steel, silver, without screws, sea water resistant
6	SEK-BIPV-040	Pan-head screw A2 Torx T20 x 4.5 x 3.5 mm
7	SEK-BIPV-018	Valley sealing strip 1000 x 30 x 40 mm / Solrif® foam
8	SEK-BIPV-019	Fixing for flashing Solrif® 05483 / 20 x 10 x 37 mm
9	SEK-BIPV-020	Roofing nail DIN1160 hot-dip galvanised 2.5 x 25 mm
10	SEK-BIPV-041	Aluminium flashing profile stand. Left, black, 34.5 x 24.5 x module height + 31.5 mm
11	SEK-BIPV-042	Aluminium flashing profile stand. Right, black, 34.5 x 24.5 x module height + 27.5 mm
12	SEK-BIPV-043	Aluminium flashing profile stand. Left, silver, 34.5 x 24.5 x module height + 31.5 mm
13	SEK-BIPV-044	Aluminium flashing profile stand. Right, silver, 34.5 x 24.5 x module height + 27.5 mm
14	SEK-BIPV-045	Top flashing 21 x 341 mm
15	SEK-BIPV-033	Top flashing joiner, black, 133 x 23 x 342 mm
16	SEK-BIPV-034	Flashing corner left, black, 210 x 41 x 342 mm
17	SEK-BIPV-035	Flashing corner right, black, 210 x 41 x 342 mm
18	SEK-BIPV-046	Aluminium flashing side left 1200 x 353 mm
19	SEK-BIPV-047	Aluminium flashing side right 1200 x 353 mm
20	SEK-BIPV-038	Connecting sheet Alu Stretch 300 mm x 5 m
21	SEK-BIPV-049	Eaves profile (31 x 16 x 1200 mm)*
22	SEK-BIPV-050	Profile fixing for eaves profile (30 x 14 x 69 mm)*
23	SEK-BIPV-051	Mounting gauge (W x H x L; (module width + 24) x 14 x 69 mm)*

Did you know?

▶ Flashings are not required if the photovoltaic installation extends to the roof edge on any side of the PV array.

System components

Aluminium flashings

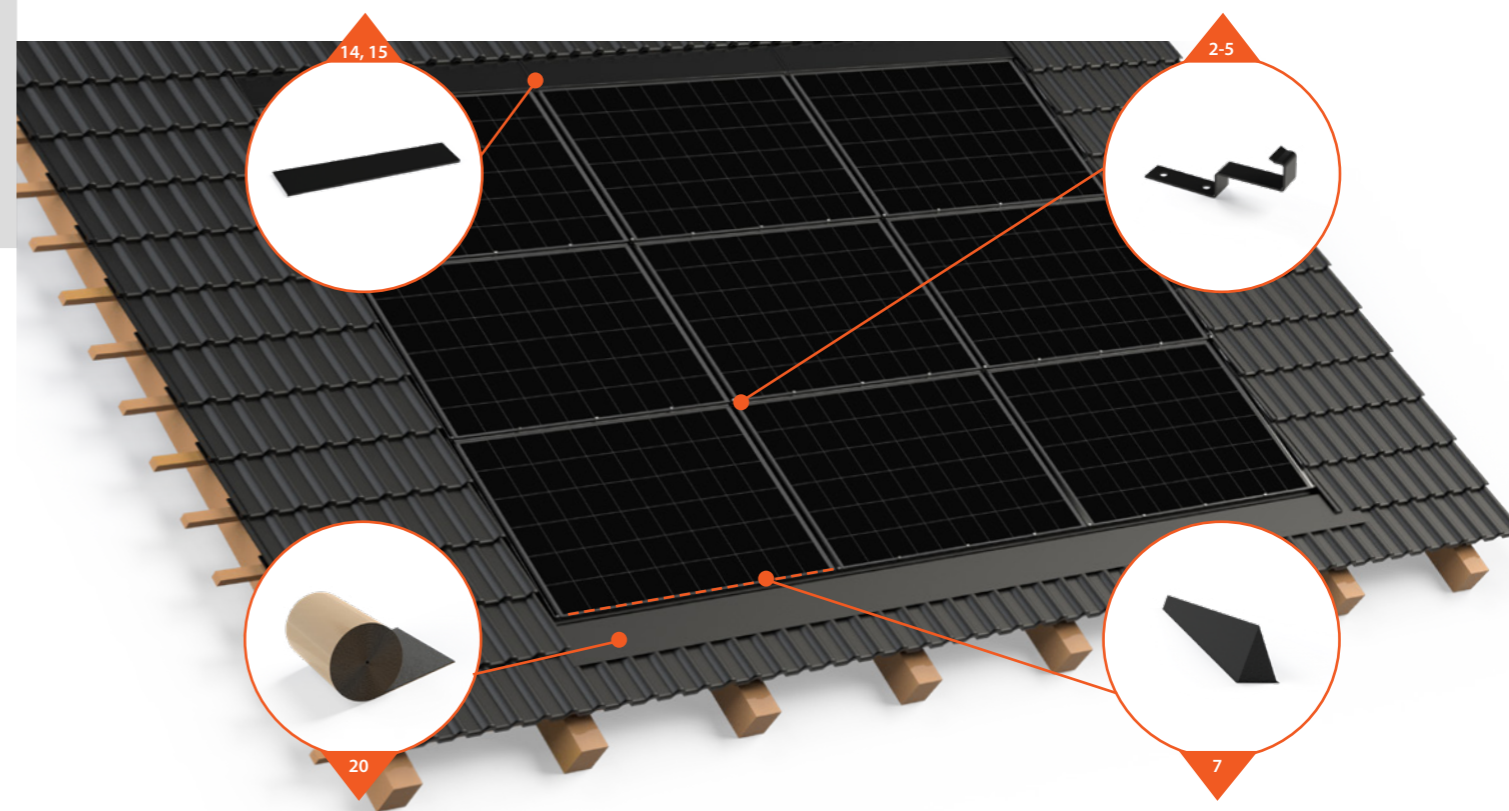
These fit-to-size prefabricated flashings, available in a variety of colours, form a watertight connection between BISOL BIPV system and the conventional roof tiles. The click-in flashings are ready to install without any adjustments to the flashing on field.

SEK-BIPV-032 Top flashing 1692 mm -1743 mm, black
SEK-BIPV-033 Top flashing joiner, black

Module clamps

The module clamps hold the BIPV module in place and provide stability and security during extreme snow and wind conditions. The design of the clamps allows service removing and installing a PV module on any position of the array without removing any of the contacting modules.

Clamp Solrif® glass
Clamp Solrif® silver
Clamp Solrif® black 06497



The Solrif® alu-bit foil is a highly robust and weather resistant self-adhesive foil which is used to seamlessly drain roof water from the PV modules to the bottom of the PV array. The foil is not required on PV arrays that reach to the bottom of the roof as the roof water is guided directly into the gutter.

SEK-BIPV-038 Foil Solrif® alu-bit 5 m x 32 cm black

The profile Solrif® foam is installed on the bottom of the installation and it helps to seal the small gaps that may occur between the wooden batten and the PV module. In case of larger height tiles the foam can also be installed on the side flashings.

SEK-BIPV-018 Profile Solrif® foam black

