

BISOL EasyMount Structures

Premium mounting solutions designed for simplicity and ease of installation.



Solar company!



Smart solutions
for every roof
type



Superior
mechanical
strength



Installed in +50
MW of solar
systems



Up to 15
years product
warranty

www.bisol.com



BISOL EasyMount HDPE Base 200

Quick and easy mounting solution for flat roofs

BISOL EasyMount HDPE Base 200 is a premium mounting solution for PV installations on flat roofs or surfaces. It requires no roof penetration and allows for the PV modules to be positioned at a 20° angle. The cutting edge mounting solution has been developed in-house and combines superior design with durability for extreme ease of installation and long-term performance. BISOL EasyMount HDPE Base 200 is made of highest quality recyclable materials and will leave a positive mark on the environment.

Technical Specifications

| | |
|-------------------------------------|--|
| Application | Flat roofs |
| Roof incline | Up to 5° |
| Method of installation | No roof penetration |
| Module angle | 20° |
| Module orientation | Landscape |
| Module frame tolerances | Length: any / Width: 991 mm \pm 5 mm (39.02" \pm 0.2") / Thickness: 40 mm \pm 2 mm (1.575" \pm 0.08") / Reverse side width: 27 - 32 mm (1.06" - 1.26") |
| Base colour | Carbon black |
| Base material | High-density polyethylene - HDPE, carbon black, UV-resistant (base) / Glass fibre reinforced polypropylene (screws) |
| Base weight | 5.5 kg (12.1 lbs) |
| Additional stabilization | Ballast, Wind shields |
| Temperature range | -20 to 70°C |
| Snow load per system | 0 - 2.40 kN/m ² |
| Wind load (velocity) ⁽¹⁾ | 0 - 115 km/h (71 mph) |

⁽¹⁾ With the use of ballast and wind shields according to the specifications.



8x faster
installation



No tools
required



Low installation
cost



15-year UV and
mechanical
resistance
guarantee

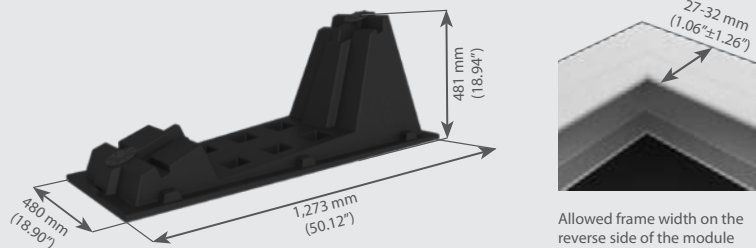


Lightweight
and stackable



Efficient
cooling

Dimensions of HDPE Base 200:



Layout guidelines depending on incident angle of the sun in the winter:

| Incident angle of the sun in the winter | A | B |
|---|-----------------|-------------------|
| 17° | 767 mm (30.20") | 2,040 mm (80.31") |
| 18° | 701 mm (27.60") | 1,974 mm (77.72") |
| 19° | 643 mm (25.31") | 1,916 mm (75.43") |
| 20° | 589 mm (23.19") | 1,862 mm (73.31") |

Individual components:

| | ID Code | Component description |
|---|------------------|---|
| 1  | SEKP-EMPB200_BK | EasyMount HDPE 200 Base Basic Kit |
| 2  | SEK-LOAD_CP15 | Load Concrete plate 40/40/4cm (15kg) |
| 3  | SEK-EMPB_200_TWS | Trapezoidal Wind Shield HDPE 200 (anthracite / black) |
| 4  | SEK-JA3_65_25 | Screw self-tapping 6,5 x 25 mm JA3 |

System components:



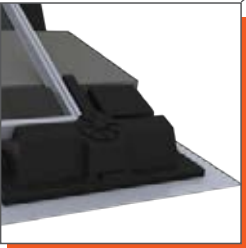
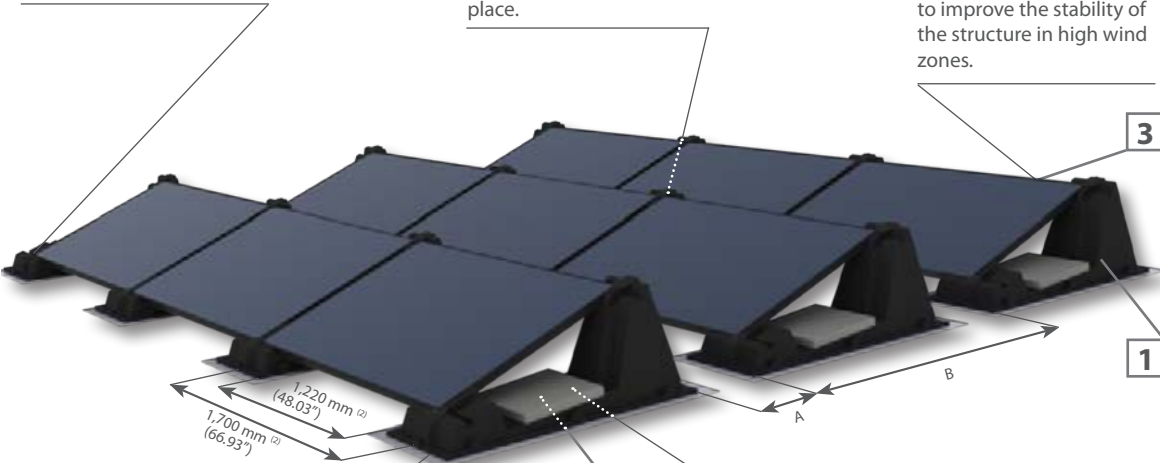
The PV module is placed between two HDPE bases 200 into specially prepared grooves.



The polypropylene screws are inserted into the threaded holes and fixed to lock the PV modules in place.



The metal wind shields can be attached on the reverse side of the HDPE base 200 by using self-drilling screws to improve the stability of the structure in high wind zones.



For extra protection an additional layer of the same material can be used on surfaces covered by PVC foil.



Extra ballast can be placed at the bottom of the HDPE base 200.

⁽²⁾ Dimensions specific for use with BISOL modules.



BISOL EasyMount HDPE Base 125

Lightweight mounting solution for flat roofs

BISOL EasyMount HDPE Base 125 is made of high-density UV-resistant polyethylene. It requires no roof penetration and can be installed in high wind zones with minimum extra ballast, sparing the roof from unnecessary loads. The innovative mounting solution has been developed in-house and allows an unobtrusive on-roof installation at a 12.5° angle. Its design reflects an expert understanding of the laws of thermodynamics, providing more efficient cooling of the photovoltaic modules.

Technical Specifications

| | |
|-------------------------------------|--|
| Application | Flat roofs |
| Roof incline | Up to 5° |
| Method of installation | No roof penetration |
| Module angle | 12.5° |
| Module orientation | Landscape |
| Module frame tolerances | Width: 991 mm \pm 5 mm (39.02" \pm 0.20") / Length: 1,649 \pm 15 mm (64.92" \pm 0.59") |
| Holes on module frame | 4 holes / Φ 6 mm (0.24") / Distance from the middle of the frame: 450 mm (17.72") |
| Base colour | Natural white |
| Base material | UV-resistant high-density polyethylene (HDPE base 125) / Aluminum EN-AW 6060 T5 (L- profile) / Stainless steel (fastening elements) |
| Base weight | 10.9 kg (24 lbs) |
| Additional stabilization | Ballast / BISOL EasyMount L-profiles |
| Temperature range | -20 to 70°C |
| Snow load per system | 0 – 2.40 kN/m ² (with BISOL PV modules) |
| Wind load (velocity) ⁽³⁾ | 0 – 140 km/h (87 mph) |

⁽³⁾ With use of L- profiles and ballast according to specifications.



Higher power-
to-surface ratio



No roof
penetration



Low-ballast
solution



High wind
stability



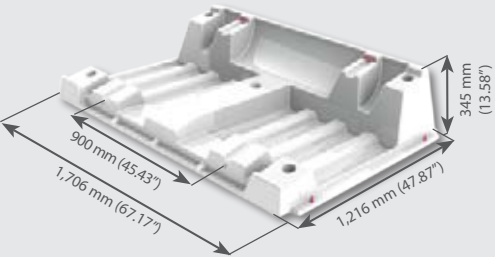
Quick and easy
installation



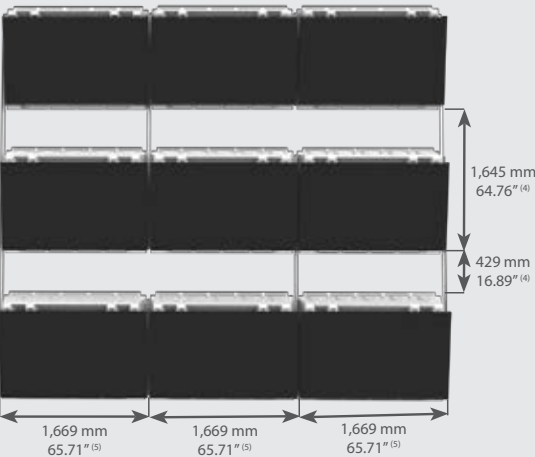
10-year product
warranty

BISOL EasyMount HDPE Base 125

Dimensions of HDPE Base 125:



Layout guidelines:



⁽⁴⁾ Layout example for optimal yield-to-installed power ratio in Central Europe. Adjustable upon request.
⁽⁵⁾ Dimensions specific for use with BISOL modules.

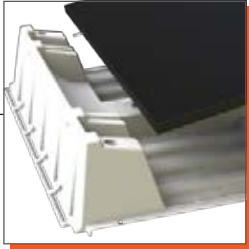
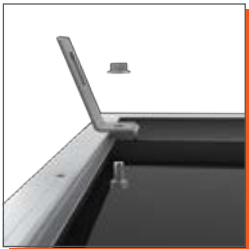
Individual components:

| | ID Code | Component description |
|---|------------------|--|
| 1 | SEKP-EMPB_125_BK | EasyMount HDPE Base 125 Basic Kit |
| 2 | SEKP-EMPB_125_RC | EasyMount HDPE Base 125 Row Connecting Set |
| 3 | SEK-LOAD_CP15 | Load Concrete plate 40/40/4cm (15kg) |

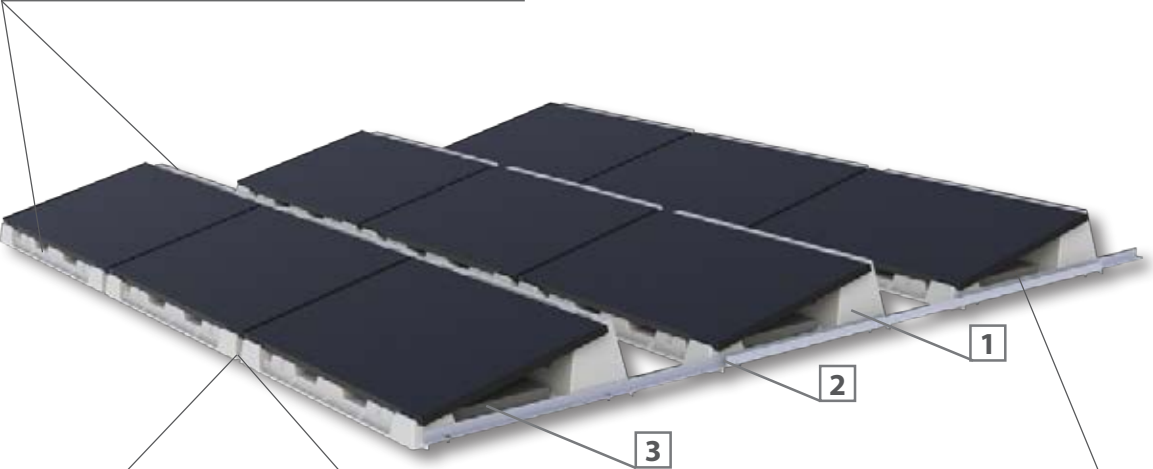
System components:



Top and bottom fixings are attached to the PV module via connecting elements.



PV module is attached to the HDPE Base 125 via slide-in top and bottom fixings.



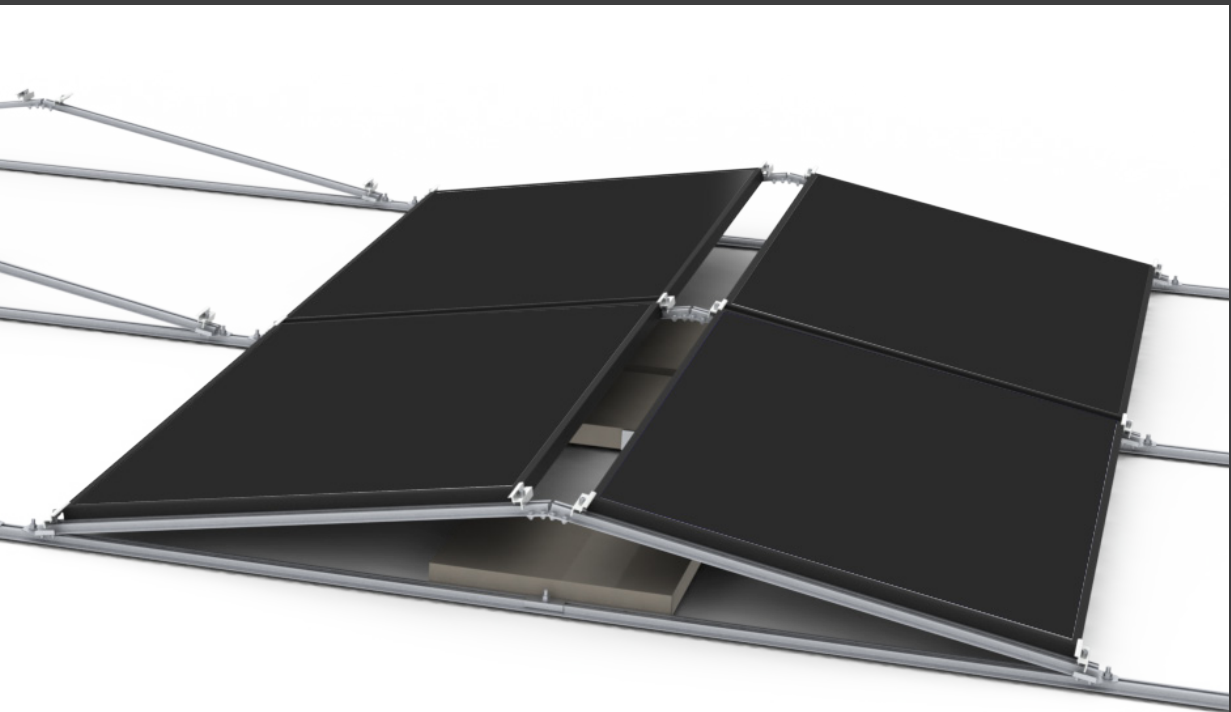
HDPE Bases 125 are horizontally connected, overlapped and attached to each other.



Rows of HDPE Bases 125 are vertically connected by L-profiles.



Extra ballast can be placed into the HDPE Base 125.



BISOL EasyMount ALU Base

Cost effective lightweight solution for hassle-free installations

This lightweight, but sturdy mounting solution requires no roof penetration and is suitable for flat roofs covered with bitumen, gravel or synthetic membrane. The ALU Base is available in south-facing or east-west orientation at various inclinations and with adjustable spacing between rows. The entirely free-standing structure is delivered pre-assembled to simplify mounting and reduce the installation time.

| Technical Specifications | BISOL EasyMount ALU Base 125/200/300 | BISOL EasyMount ALU Twin Base 100 |
|-------------------------------|---|-----------------------------------|
| Application | Flat roofs | |
| Roof incline | Up to 5° | |
| Method of installation | Direct laying without roof penetration | |
| Module incline | 12.5°, 20° and 30° (other angles available upon request) | 10 ° |
| Module orientation | Landscape | |
| Module frame tolerances | Width: 200 - 1050 mm (7.87" - 41.33") / Frame thickness: 35, 40 or 45 mm (1.38", 1.57" or 1.77") applicable to different clamp types | |
| Material | Aluminum EN-AW 6060 T5 (L-profile) / Stainless steel A2-70 (fastening elements) | |
| System weight without ballast | 0.015 kN/m² (without PV module) | 0.01 kN/m² (without PV module) |
| Snow load per system | 0 – 2.40 kN/m² (with BISOL PV modules) | |
| Wind load (velocity) | 0 – 115 km/h (71 mph) | |
| Additional stabilization | Ballast / Windshields | Ballast |



Fits most PV modules



Adjustable distance between rows



Cost-effective solution



Pre-assembled components for quick installation



South-facing or east-west orientation



10-year product warranty

Layout guidelines:

| Product type | Module incline (°) | Distance between rows - A ⁽⁶⁾ |
|------------------------------|--------------------|--|
| BISOL EasyMount ALU Base 125 | 12.5° | 150 cm (4' 11") |
| BISOL EasyMount ALU Base 200 | 20° | 170 cm (5' 7") |
| BISOL EasyMount ALU Base 300 | 30° | 230 cm (7' 7") |

⁽⁶⁾ Layout example for optimal yield-to-installed power ratio in Central Europe. Adjustable upon request.

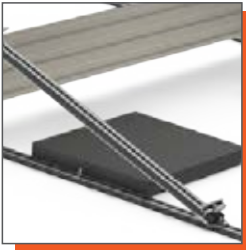
Individual components:

| | ID Code | Component description |
|---|--|---|
| 1 | SEKP-EMTAB_125 SEKP-EMTAB_200 SEKP-EMTAB_300 | EasyMount ALU Base 125 EasyMount ALU Base 200 EasyMount ALU Base 300 |
| 2 | SEKP-EMRL80_5850 | EasyMount ALU Rail 80 x 5850 mm set |
| 3 | SEKP-EMEC25 | Clamp end EasyMount 25 mm, preassembled |
| 4 | SEKP-EMCRL80 | Connector set for EasyMount Rail 80 |
| 5 | SEKP-EMT_BPN | Ballast pan for ballast set for ALU Rail 80 |
| 6 | SEK-EMT_BPNRL | Ballast pan EasyMount for ALU Rail 80, double-sided |
| 7 | SEK-LOAD_CP15 | Load Concrete plate 40/40/4 cm (15kg) |
| 8 | SEK-TWS125_1720W SEK-TWS200_1734W SEK-TWS300_1750W | Windshield 12.5 1700x200mm, white Windshield 20 1700x340mm, white Windshield 30 1700x500mm, white |
| 9 | SEK-DIN7504_5525 | Screw self-drilling 5,5x25 with washer |

System components:



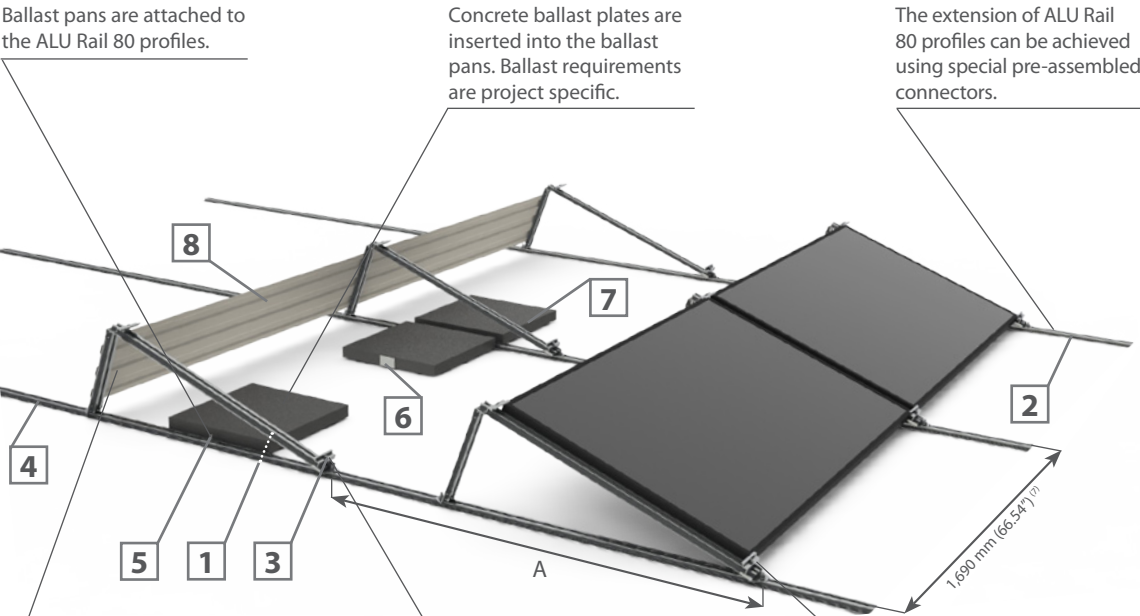
Ballast pans are attached to the ALU Rail 80 profiles.



Concrete ballast plates are inserted into the ballast pans. Ballast requirements are project specific.



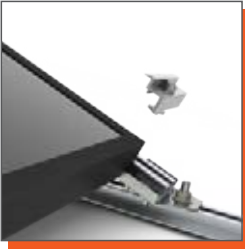
The extension of ALU Rail 80 profiles can be achieved using special pre-assembled connectors.



Metal windshields can be installed to achieve better wind resistance.



Pre-assembled A-frames are fixed to the supporting ALU Rail 80 profiles.



PV modules are fixed to the structure with pre-assembled end clamps.

⁽⁷⁾ Dimensions specific for use with BISOL modules.

BISOL EasyMount ALU Twin Base 100

Layout guidelines:

| Product type | Module incline (°) | Distance between rows - A ⁽⁸⁾ |
|-----------------------------------|--------------------|--|
| BISOL EasyMount ALU Twin Base 100 | 10° | 240 cm (7' 11") |

⁽⁸⁾ Layout example for optimal yield-to-installed power ratio in Central Europe. Adjustable upon request.

Individual components:

| | ID Code | Component description |
|---|------------------|---|
| 1 | SEKP-EMTW_100 | EasyMount ALU Twin Base 100 |
| 2 | SEKP-EMRL80_5850 | EasyMount ALU Rail 80 x 5850 mm set |
| 3 | SEKP-EMEC25 | Clamp end EasyMount 25 mm, preassembled |
| 4 | SEKP-EMCRL80 | Connector set for EasyMount Rail 80 |
| 5 | SEKP-EMT_BPN | Ballast pan for ballast set for ALU Rail 80 |
| 6 | SEK-EMT_BPNRL | Ballast pan EasyMount for ALU Rail 80, double-sided |
| 7 | SEK-LOAD_CP15 | Load Concrete plate 40/40/4 cm (15kg) |

System components:



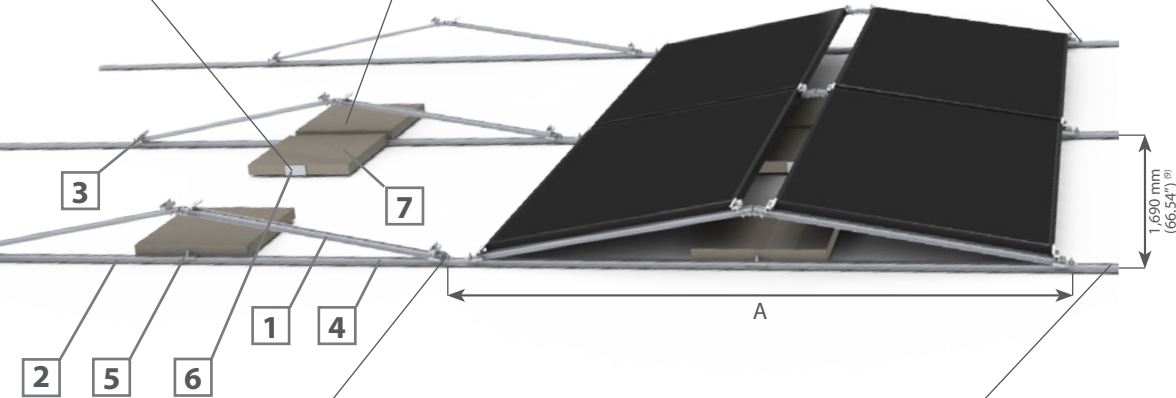
Double-sided ballast pans are laid across ALU Rail 80 profiles.



Concrete ballast plates are inserted into the ballast pans. Ballast requirements are project specific.



PV modules are fixed to the structure with pre-assembled end clamps.



Pre-assembled A-frames are fixed to the supporting ALU Rail 80 profiles.



The extension of ALU Rail 80 profiles can be achieved using special pre-assembled connectors.

⁽⁹⁾ Dimensions specific for use with BISOL modules.



BISOL EasyMount ALU Triangular

Versatile and resistant solution for flat roofs

BISOL EasyMount ALU Triangular mounting system is suitable for use on flat or pitched roofs with larger spans of the roof bearing structure, or roofs requiring higher wind and snow load resistance. The structure is available in several different incline angles and can be simply laid out without drilling into the roof. For pitched roofs, or if extra stability required, the ALU Triangular structure is mounted into the roof structure using hanger bolts. The pre-assembled bolt connections on the A-frame reduce the on-site installation time.

| Technical Specifications | Solution with EasyMount ALU Rail 80 | Solution with EasyMount Profile 80 and Hanger bolts |
|-------------------------------|---|--|
| Application | Flat roofs covered with bitumen, gravel or synthetic membrane | Pitched roofs with trapezoidal or corrugated metal sheet |
| Roof incline | Up to 5° | Any roof inclination |
| Method of installation | Laying without roof penetration | Fixing with hanger bolts into the roof structure |
| Module incline | 12.5°, 20° and 30° (other angles available upon request) | |
| Module orientation | Landscape / Portrait upon request | |
| Module frame tolerances | Suitable for all framed module dimensions with frame thickness of 35, 40 or 45 mm (1.38", 1.57" or 1.77") / Applicable to different clamp types | |
| Material | Aluminum EN-AW 6060 T5 (A-frame, Profiles 50 and 80) / Stainless steel A2-70 (fastening elements) | |
| System weight without ballast | 0.02 kN/m ² (without PV module) | 0.035 kN/m ² (without PV module) |
| Snow load per system | 0 – 2.40 kN/m ² (with BISOL PV modules) | |
| Wind load (velocity) | Up to 170 km/h (106 mph) | |
| Additional stabilization | Ballast (concrete slabs) / Windshields | Windshields |



Excellent
snow load
resistance



Suitable for
high
wind zones



With or
without roof
penetration



Various incline
angles



Lightweight
layout option



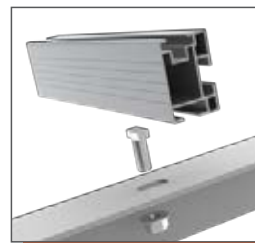
10-year product
warranty

BISOL EasyMount ALU Triangular on ALU Rail 80

Individual components:

| | | ID Code | Component description |
|----|---|--|---|
| 1 |  | SEKP-EMTAL_125 SEKP-EMTAL_200 SEKP-EMTAL_300 | EasyMount ALU Triangular 125 EasyMount ALU Triangular 200 EasyMount ALU Triangular 300 |
| 2 |  | SEK-EM50_33 | Easy Mount 50 x 33 x 6200mm |
| 3 |  | SEK-EMRL80 | EasyMount ALU Rail 80 x 5850 mm |
| 4 |  | SEKP-EMC50 | Connector set for EasyMount 50 x 33 |
| 5 |  | SEKP-EMCRL80 | Connector set for EasyMount Rail 80 |
| 6 |  | SEKP-EMEC | Clamp end EasyMount, preassembled |
| 7 |  | SEKP-EMMC | Clamp middle EasyMount, preassembled |
| 8 |  | SEK-HHS_10_25 | Screw hammerhead M10x25 A2-70 |
| 9 |  | SEK-DIN6923_10 | Hexagon flange nut with serration M10 A2-70 |
| 10 |  | SEKP-EMT_BPN | Ballast pan for ballast set for ALU Rail 80 |
| 11 |  | SEK-EMT_BPNRL | Ballast pan EasyMount for ALU Rail 80, double-sided |
| 12 |  | SEK-LOAD_CP15 | Load Concrete plate 40/40/4cm (15kg) |
| 13 |  | SEK-TWS125_1720W SEK-TWS200_1734W SEK-TWS300_1750W | Windshield 12.5 1700x200mm, white Windshield 20 1700x340mm, white Windshield 30 1700x500mm, white |
| 14 |  | SEK-DIN7504_5525 | Screw self-drilling 5.5 x 25 mm with washer |

System components:



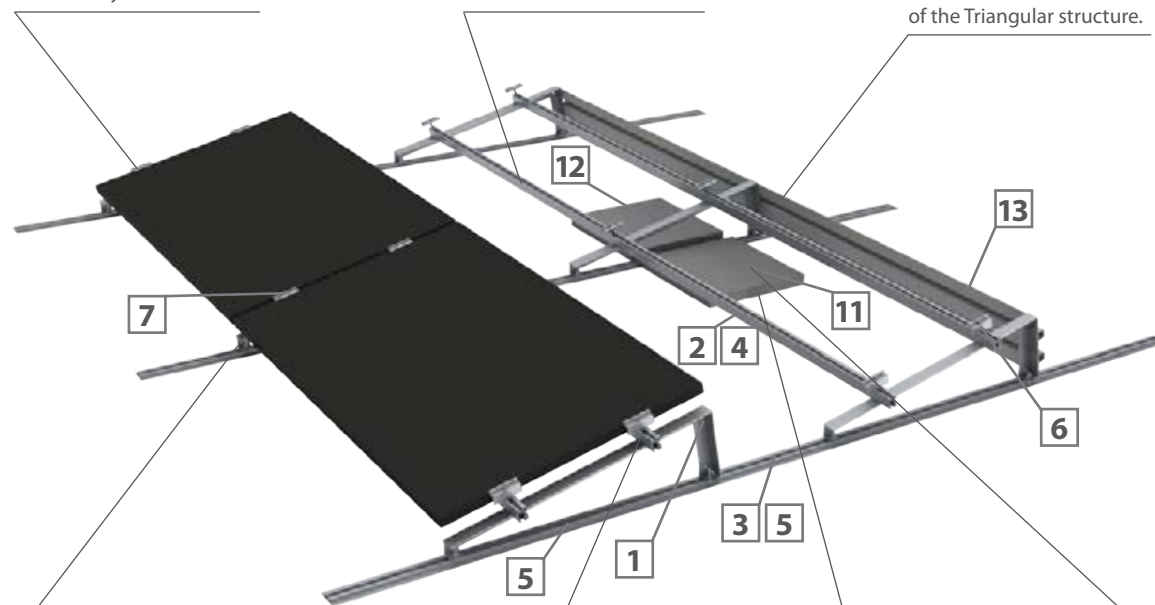
Profiles 50 are fixed horizontally on A-frames.



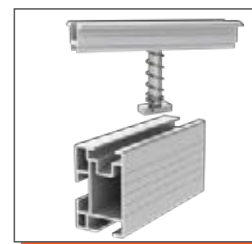
U-connectors allow for the extension of Profiles 50.



Metal windshield can be attached on the reverse side of the Triangular structure.



Pre-assembled A-frames are fixed to the supporting ALU Rail 80 profiles.



PV modules are fixed to Profiles 50 with pre-assembled end and middle clamps.



Double-sided ballast pans are laid across ALU Rail 80 profiles.



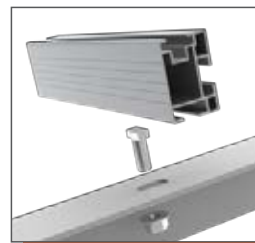
Concrete ballast plates are inserted into the ballast pans. Ballast requirements are project specific.

BISOL EasyMount ALU Triangular on Hanger Bolts

Individual components:

| | | ID Code | Component description |
|----|---|--|--|
| 1 |  | SEKP-EMTAL_125 SEKP-EMTAL_200 SEKP-EMTAL_300 | EasyMount ALU Triangular 125 EasyMount ALU Triangular 200 EasyMount ALU Triangular 300 |
| 2 |  | SEK-EM50_33 | Easy Mount Profile 50 x 33 x 6200mm |
| 3 |  | SEK-EM80_40 | EasyMount Profile 80 x 40 x 6200mm |
| 4 |  | SEKP-EMC50 | Connector set for EasyMount 50 x 33 |
| 5 |  | SEK-EMC80 | Connector for EasyMount 80 x 40 |
| 6 |  | SEKP-EMEC | Clamp end EasyMount, preassembled |
| 7 |  | SEKP-EMMC | Clamp middle EasyMount, preassembled |
| 8 |  | SEK-HHS_10_25 | Hammerhead screw M10x25 |
| 9 |  | SEK-DIN6923_10 | Hexagon flange nut with serration M10 A2-70 |
| 10 |  | SEK-HW100_200 | Hanger bolt, wood, f10 x 200 mm |
| 11 |  | SEK-HST80_15650 | Hanger bolt, steel, f8.0 x 100/50 mm, trapezoid |
| 12 |  | SEK-P82405_11 SEK-P82405_13 | Adapter sheet 82 x 40 x 5, f11 Adapter sheet 82 x 40 x 5, f13 |
| 14 |  | SEK-DIN7504_5525 | Screw self-drilling 5,5 x 25 with washer |
| 15 |  | SEK-DIN975_10 | Rod M10 threaded |
| |  | SEK-DIN975_12 | Rod M12 threaded |
| 16 |  | SEK-HY150/330 | Fixing injection mass 330 ml |
| 17 |  | SEK-EPDMSW_10 SEK-EPDMSW_12 | Sealing washer EPDM M10 Sealing washer EPDM M12 |

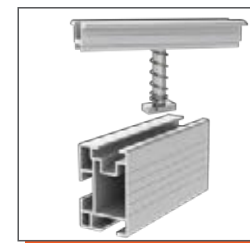
System components:



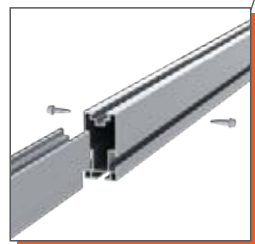
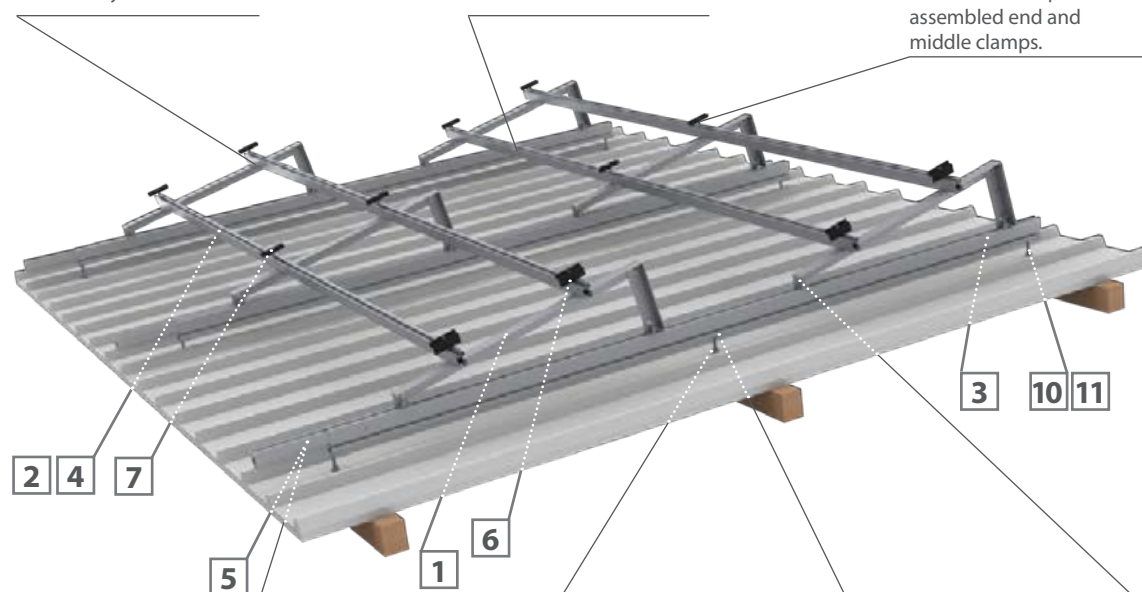
Profiles 50 are fixed horizontally on A-frames.



U-connectors allow the extension of Profiles 50.



PV modules are fixed to Profiles 50 with pre-assembled end and middle clamps.



Profiles 80 are extended by inserting and fixing the Connector 80.



The hanger bolt is screwed through the roof decking into the roof structure. The EPDM washer ensures a watertight connection.



Profiles 80 are mounted on hanger bolts.



Pre-assembled A-frames are fixed to the supporting Profiles 80.



BISOl EasyMount ALU Rail 80

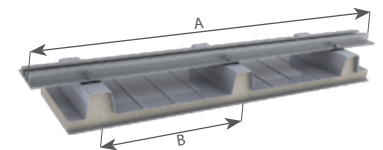
Universal solution for all types of trapezoidal roof

BISOl EasyMount ALU Rail 80 is a versatile solution suitable for all types of trapezoidal metal sheet roofs, designed to fit all wave angles and dimensions. This system is compatible with all module sizes and allows portrait and landscape module orientation with no additional material required. BISOl EasyMount ALU Rail 80 is made to withstand high wind and snow loads and provides high shear and pull-out resistance. Its simplicity and modularity allows for a quick and easy installation.

Technical Specifications

| | |
|-------------------------|---|
| Application | Pitched roofs with trapezoidal metal sheet (minimal thickness 0.6 mm) |
| Trapezoidal wave type | All trapezoidal wave dimensions and angles |
| Method of installation | Directly into the metal sheet |
| Module orientation | Portrait or landscape |
| Module frame tolerances | Suitable for all framed module dimensions |
| Material | Aluminum EN-AW 6060 T5 (ALU Rail 80) / Stainless steel (fastening elements) |
| System weight | 0.005 kN/m ² (without PV module) |
| Dimensions | Width: 80 mm / Height: 15 mm / Length: 450 mm or 530 mm or 730 mm |

| Length of ALU Rail 80 - A | Distance between two waves - B |
|---------------------------|--------------------------------|
| 450 mm (1' 5.7") | up to 21 cm (8.3") |
| 530 mm (1' 8.9") | 21 (8.3") - 25 cm (9.8") |
| 730 mm (2' 4.7") | 25 (9.8") - 35 cm (1' 1.8") |



Fits all wave dimensions and angles



Watertight connection



High shear and pull-out resistance



Only very basic tools required



Quick and easy installation



10-year product warranty

Cross section of ALU Rail 80:

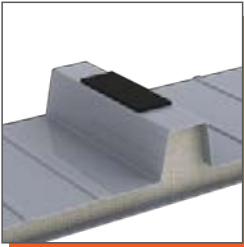


Individual components:

| | | ID Code | Component description |
|---|--|-----------------|---|
| 1 | | SEKP-EMRL80_450 | EasyMount ALU Rail 80 x 450 mm set |
| | | SEKP-EMRL80_530 | EasyMount ALU Rail 80 x 530 mm set |
| | | SEKP-EMRL80_730 | EasyMount ALU Rail 80 x 730 mm set |
| | | | |
| 2 | | SEKP-EMEC | Clamp end EasyMount, preassembled |
| 3 | | SEKP-EMMC | Clamp middle EasyMount, preassembled |
| 4 | | SEK-EMGP | Grounding plate EasyMount ⁽¹⁰⁾ |

⁽¹⁰⁾ For grounding refer to the national regulatory requirements.

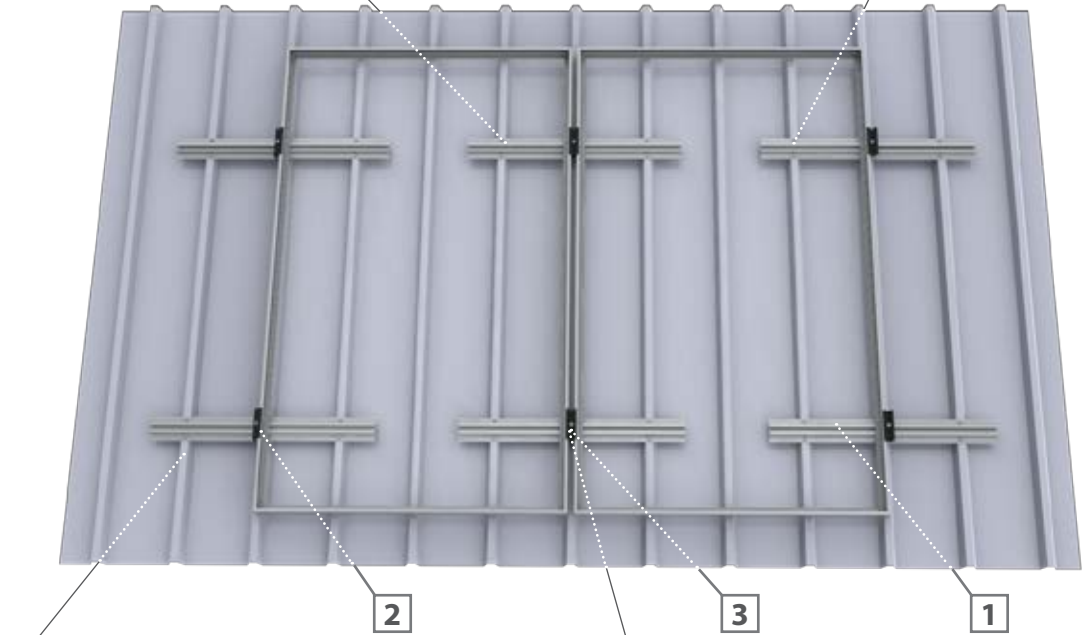
System components:



EPDM strip should be placed under the ALU Rail 80 to protect the roof surface.



ALU Rail 80 is fixed with 2 screws per wave.



ALU Rails 80 are mounted across three adjoining waves.



PV modules are fixed to ALU Rails 80 with pre-assembled end and middle clamps.



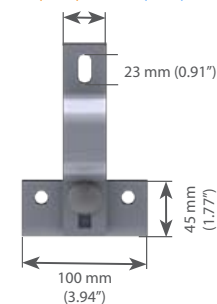
BISOL EasyMount Hook

Double-adjustable solution for various types of tiled roofs

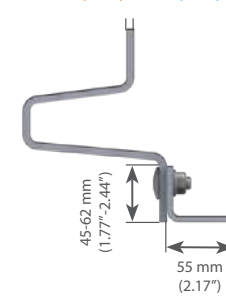
BISOL EasyMount Hook is a perfect solution for pitched roofs covered by any type of tile with the exception of barrel tiles. The double adjustability of the hook permits use on roofs with large wave tiles, enables levelling out the uneven roof surfaces and provides more efficient cooling of the modules by lifting them further away from the roof surface. The system allows for portrait or landscape module orientation by mounting the profiles horizontally or vertically without the use of the grid.

| Technical Specifications | |
|--------------------------|--|
| Application | Any type of tiled roof (except for barrel tiles) |
| Roof incline | From 10° |
| Method of installation | Attached to rafters |
| Module orientation | Portrait or landscape |
| Module frame tolerances | Suitable for all framed module dimensions |
| Maximum load on hook | BISOL EasyMount Hook 6-35: 120 kg (265 lbs) BISOL EasyMount Hook 8-30: 200 kg (441 lbs) |
| Snow load per system | 0 – 5.40 kN/m ² (with BISOL PV modules) |
| Material | Stainless steel 1.4301 (hook) / Stainless steel A2-70 (fastening elements) / Aluminum EN-AW 6060 T5 (Profile 50) |
| Height adjustability | 162 – 194 mm (6.36"–7.64") from the rafter |

35 mm (1.38") / 30 mm (1.18")



6 mm (0.24") / 8 mm (0.31")



Hook 6-35
Hook 8-30



Suitable for
most tiled
roofs



Helps levelling
out uneven
roof surfaces



Double height
adjustable



Landscape
orientation
without use of
grid



Efficient
cooling



10-year product
warranty

BISOL EasyMount Hook

Layout guidelines installation with BISOL PV modules

| | Distance |
|------------------|-----------------------------|
| A ⁽¹⁾ | <40 cm (15.75") |
| B ⁽¹⁾ | 80 - 150 cm (31.50"-59.06") |

| | Spans between rafters | | |
|--------------------|--|------------|-------------------------------|
| C | Any | | 85 cm ± 6.5 cm (33.5" ± 2.6") |
| Module orientation | Landscape | Portrait | Landscape |
| Solution | Profile 50 ⁽¹²⁾ / Grid (Profile 50 + Profile 50) | Profile 50 | Profile 50 + L-connector |

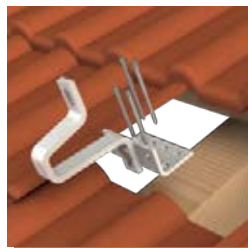
⁽¹⁾ Dimensions specific for use with BISOL modules.

⁽¹²⁾ For modules that can be mounted on the short side of the frame.

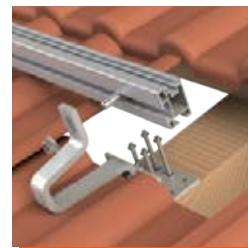
Individual components:

| | ID Code | Component description |
|---|------------------------|--|
| 1 | SEK-2HS_6 SEK-2HS_8 | Hook double adjustable 6-35 Hook double adjustable 8-30 |
| 2 | SEK-EM50_33 | Easy Mount 50 x 33 x 6200mm |
| 3 | SEKP-EMC50 | Connector set for EasyMount 50 x 33 |
| 4 | SEK-EMLC | Connector L EasyMount |
| 5 | SEKP-EMEC | Clamp end EasyMount, preassembled |
| 6 | SEKP-EMMC | Clamp middle EasyMount, preassembled |
| 7 | SEK-W65_115 | Wood screw with EPDM washer 6,5 x 115 mm |
| 8 | SEK-HHS_10_25 | Hammerhead screw M10x25 A2-70 |
| 9 | SEK-DIN6923_10 | Hexagon flange nut with serration M10 A2-70 |

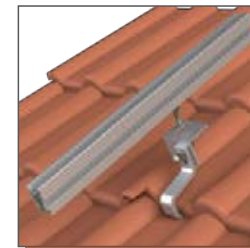
System components:



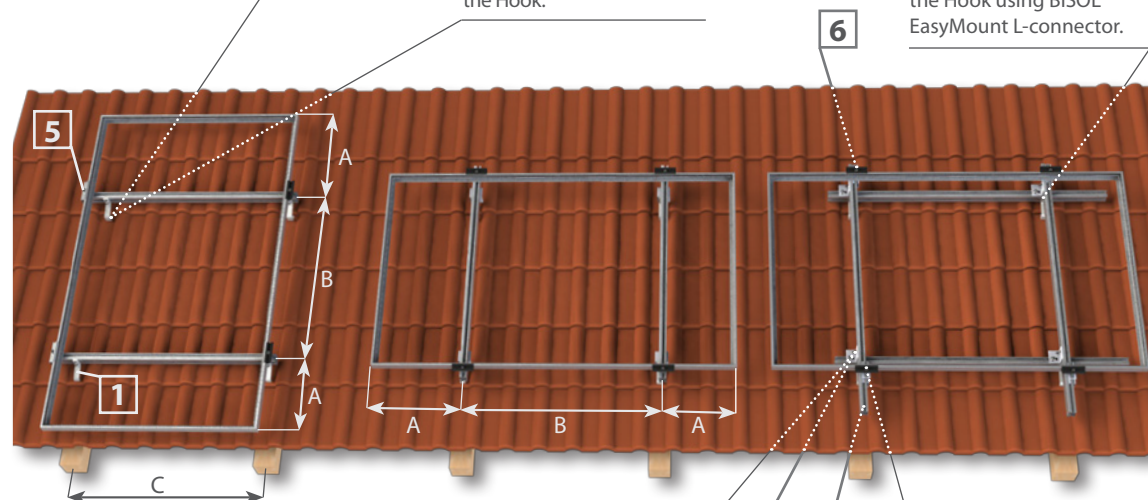
BISOL Hook is fixed to a rafter using four wood screws with EPDM washers.



For portrait module orientation Profile 50 is mounted horizontally on the Hook.



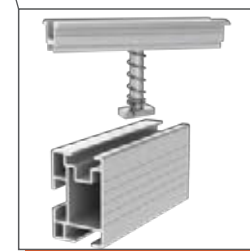
For landscape module orientation Profile 50 is mounted vertically on the Hook using BISOL EasyMount L-connector.



U-connectors allow for the extension of Profiles 50.



For larger spans and landscape module orientation a grid can be built by connecting two intersecting Profiles 50 with the L-connector.



PV modules are fixed to Profiles 50 with pre-assembled end and middle clamps.



BISOL EasyMount Hanger Bolt

All-round solution for wind resistant applications

BISOL EasyMount Hanger Bolt is an effective all-round solution for installations on trapezoidal and corrugated pitched roofs. Whilst light-weight, it is made from top quality rigid materials to withstand extreme wind loads. Various options are available for different spans and materials of the roof carrying structure.

| Technical Specifications | |
|--------------------------|--|
| Application | Pitched roofs with trapezoidal metal sheet or corrugated roofs |
| Roof incline | Any roof inclination |
| Method of installation | Directly through the metal sheet into the steel, wooden or concrete roof structure |
| Module orientation | Portrait or landscape |
| Module frame tolerances | Suitable for most framed module dimensions |
| Material | Stainless steel (Hanger Bolt, Threaded Rod and fastening elements) / Aluminum EN-AW 6060 T5 (Profiles 50 and 80) |
| System weight | 0.015 kN/m ² |



Threaded Rod for concrete structures



Hanger Bolt for wooden structures



Hanger Bolt for steel structures



Versatile solution



High snow and wind resistance



Adjustable in height



Watertight connection










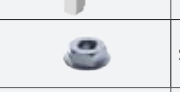





Quick and easy installation



10-year product warranty

BISOL EasyMount Hanger Bolt

Individual components:

| | | ID Code | Component description |
|----|---|--------------------------------|--|
| 1 |  | SEK-EM50_33 | Easy Mount Profile 50 x 33 x 6200mm |
| 2 |  | SEK-EM80_40 | EasyMount Profile 80 x 40 x 6200mm |
| 3 |  | SEKP-EMC50 | Connector set for EasyMount 50 x 33 |
| 4 |  | SEK-EMC80 | Connector for EasyMount 80 x 40 |
| 5 |  | SEKP-EMEC | Clamp end EasyMount, preassembled |
| 6 |  | SEKP-EMMC | Clamp middle EasyMount, preassembled |
| 7 |  | SEK-HW100_200 | Hanger bolt, wood, f10 x 200 mm |
| 8 |  | SEK-HST80_15650 | Hanger bolt, steel, f8.0 x 100/50 mm, trapezoid |
| 9 |  | SEK-HHS_10_25 | Hammerhead screw M10x25 |
| 10 |  | SEK-DIN6923_10 | Hexagon flange nut with serration M10 |
| 11 |  | SEK-DIN7504_5525 | Screw self-drilling 5.5 x 25 mm with washer |
| 12 |  | SEK-EMLC | Connector L EasyMount |
| 13 |  | SEK-P82405_11 SEK-P82405_13 | Adapter sheet 82 x 40 x 5, f11 Adapter sheet 82 x 40 x 5, f13 |
| 14 | | SEK-DIN975_10 SEK-DIN975_12 | Rod M10 threaded Rod M12 threaded |
| 15 | | SEK-HY150/330 | Fixing injection mass 330 ml |
| 16 | | SEK-EPDMSW_10 SEK-EPDMSW_12 | Sealing washer EPDM M10 Sealing washer EPDM M12 |

System components:



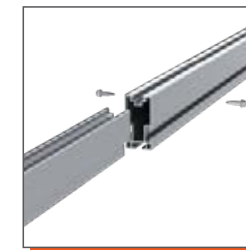
Hanger bolt is screwed through the decking into the roof structure. EPDM-sealing washer insures a watertight connection.



Profiles 50 or 80 are mounted directly on Hanger bolts.



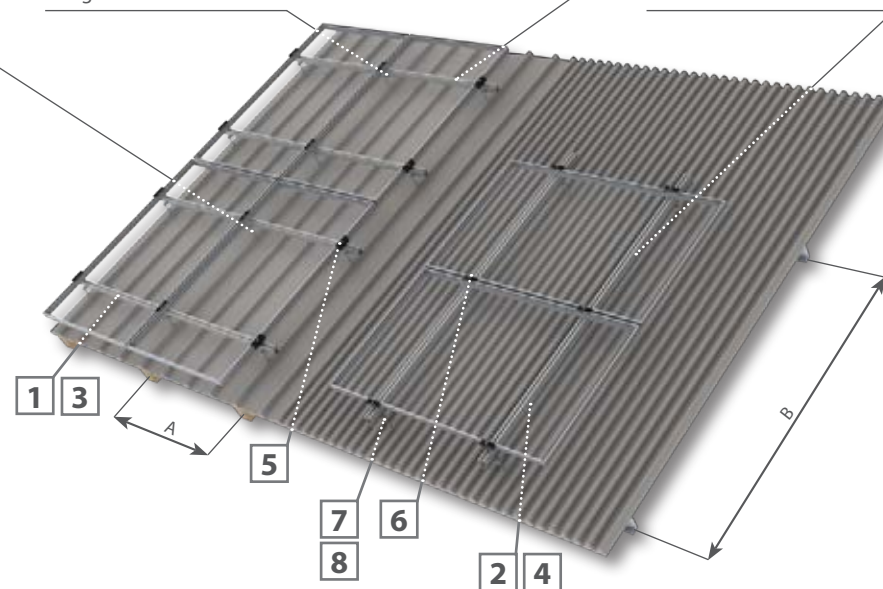
U-connectors allow the extension of Profiles 50.



Profiles 80 are extended by inserting and fixing the Connector 80.



PV modules are fixed to Profiles 50 with pre-assembled end and middle clamps.










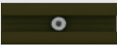
| | Horizontal roof supporting structure - A | | | | Vertical roof supporting structure - B | | | | |
|--------------------|--|---|------------------|---|---|------------|---|------------|-------------------------------|
| | ≤250 cm (98.43") | | >250 cm (98.43") | | ≤200 cm (78.74") | | >200 cm (78.74") | | 85 cm ± 6.5 cm (33.5" ± 2.6") |
| Module orientation | Landscape | Portrait | Landscape | Portrait | Landscape | Portrait | Landscape | Portrait | Landscape |
| Solution | Profile 50 | Profile 50 ⁽¹³⁾ / Grid (Profile 50 + Profile 50) | Profile 80 | Profile 80 ⁽¹³⁾ / Grid (Profile 80 + Profile 50) | Profile 50 ⁽¹³⁾ / Grid (Profile 50 + Profile 50) | Profile 50 | Profile 80 ⁽¹³⁾ / Grid (Profile 80 + Profile 50) | Profile 80 | Profile 50 |

⁽¹³⁾ For modules that can be mounted on the short side of the frame.

Accessories

Individual components...

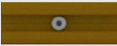
| | | ID Code | Component description |
|---|---|---------------|-----------------------------------|
| 1 |  | SEK-EM50_33_B | EasyMount 50 x 33 x 6200mm Black |
| 2 |  | SEK-EMEC | Clamp end EasyMount |
| 3 |  | SEK-EMMC | Clamp middle EasyMount |
| 4 |  | SEK-EMLC | Connector L EasyMount |
| 5 |  | SEK-EMMC_B | Clamp end EasyMount, preassembled |
| 6 |  | SEK-EMEC_B | Clamp end EasyMount Black |
| 7 |  | SEK-EMMC_B | Clamp middle EasyMount Black |



RAL 6003



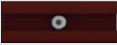
RAL 7011



RAL 1036



RAL 4007



RAL 8017



RAL 4004



RAL 6009

Rustic Red

Charcoal Grey

Pine Green

Marble Grey










Marble Green

Charming
Purple

Olive Green

Marble Pink

Marble Gold

| Solar Cells | Frames, BIPV Flashings, Middle and End Clamps | Solar Cells | Frames, BIPV Flashings, Middle and End Clamps |
|---|---|---|---|
|  | |  | |
|  | |  | |
|  | |  | |
|  | |  | |
|  | | | |

The actual color may vary slightly from the image.



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