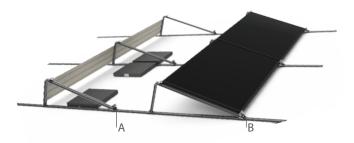# BISOL EasyMount ALU Base

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 BISOL EasyMount 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 preassembled 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 with up to 5° roof inclination	
Method of installation	Direct laying without roof penetration	
Module incline	12.5°, 20° or 30° (other angles available upon request)	10°
Module orientation	Landscape	
Module frame tolerances	Length: Any / Width: up to 1035 mm (40.75″) Frame thickness: 35 – 50 mm (1.38″ – 1.97″) used with corresponding clamp	
Material	ALU Rail 80: Aluminum EN-AW 6060 T6 / Fixation elements: Stainless steel A2-70	
System weight without ballast	0.015 kN/m^2 (without PV module)	0.01 kN/m^2 (without PV module)
Snow load per system	0 – 2.40 kN/m^2 (with BISOL PV modules)	
Wind load (velocity)	0 – 150+ km/h (93+ mph)[1]	
Additional stabilization	Ballast and windshields	Ballast

[1] Depending on project specifics. More information available upon request.

Product name	Module incline (°)	Recommended distance from point A to point B[2]
BISOL EasyMount ALU Base 125	12.5°	141 cm (4′ 8″)
BISOL EasyMount ALU Base 200	20°	153 cm (5′)
BISOL EasyMount ALU Base 300	30°	167 cm (5′ 6″)
BISOL EasyMount ALU Twin Base 100	10°	min 227 cm (7′ 5″)

[2] Layout example for optimal yield-to-installed power ratio in Central Europe. Adjustable upon request.
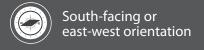
- **10** 10-year product warranty
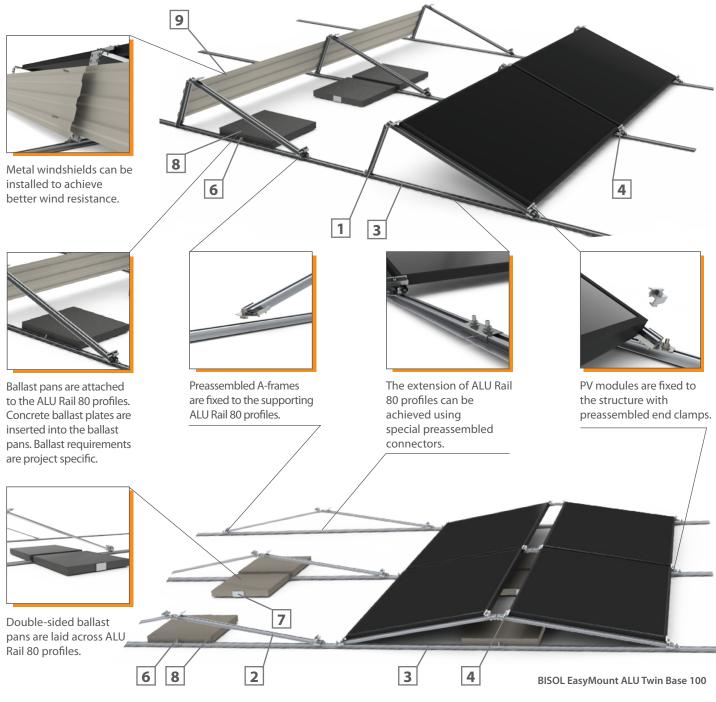- Fits most PV modules
- Adjustable distance between rows
- South-facing or east-west orientation
- Cost-effective solution
- Preassembled components for quick installation

System components

Metal windshields can be installed to achieve better wind resistance.

Ballast pans are attached to the ALU Rail 80 profiles. Concrete ballast plates are inserted into the ballast pans. Ballast requirements are project specific.

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

The extension of ALU Rail 80 profiles can be achieved using special preassembled connectors.

PV modules are fixed to the structure with preassembled end clamps.

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

BISOL EasyMount ALU Twin Base 100

Component		ID Code	Component description
1		SEKP-EMTAB_125	EasyMount ALU Base 125
		SEKP-EMTAB_200	EasyMount ALU Base 200
		SEKP-EMTAB_300	EasyMount ALU Base 300
2		SEKP-EMTW_100	EasyMount ALU Twin Base 100
3		SEK-EMRL80_5850	EasyMount ALU Rail 80 x 5850 mm
4		SEKP-EMEC20	EasyMount end clamp 20 mm, preassembled [3]
5		SEKP-EMCRL80	EasyMount ALU Rail 80 connector set

Component		ID Code	Component description
6		SEKP-EMT_BPN	EasyMount ballast pan, set
7		SEK-EMT_BPNRL	EasyMount ballast pan for ALU Rail 80, double-sided
8		SEK-LOAD_CP15	Load concrete plate 40/40/4 cm (15 kg)
9		SEK-TWS125_1720W	Windshield 12.5 1700 x 200 mm, white
		SEK-TWS200_1734W	Windshield 20 1700 x 340 mm, white
		SEK-TWS300_1750W	Windshield 30 1700 x 500 mm, white
10		SEK-DIN7504_5525	Screw self-drilling 5.5 x 25 with washer

[3] For PV modules with 35 mm frame thickness. Clamps with different height available upon request.

For compatibility of BISOL EasyMount mounting solutions with specific roof design or roofing materials please consult your roofing materials supplier or project designer.