

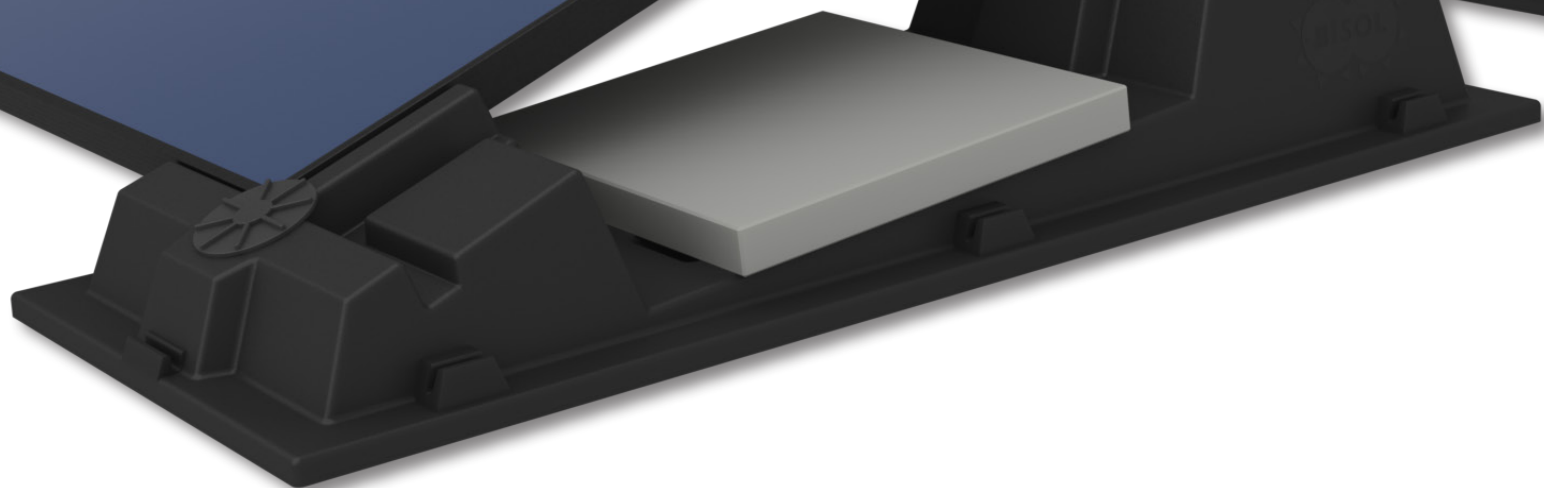
BISOL EasyMount HDPE Base 200

Quick and easy mounting solution for flat roofs



Solar company!

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.

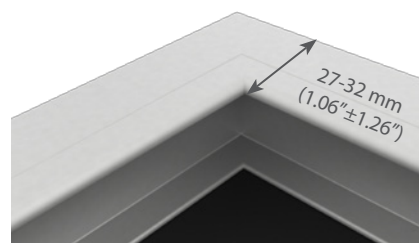


Technical Specifications

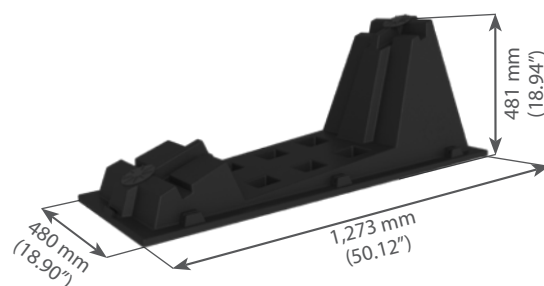
Application	Flat roofs
Roof incline	Up to 5°
Method of installation	No roof penetration
Module angle	20°
Module orientation	Landscape
Module frame tolerances	Length: any / Width: 991 mm ± 5 mm (39.02" ± 0.2") / Thickness: 40 mm ± 2 mm (1.575" ± 0.08") / Reverse side width: 27 - 32 mm (1.06" - 1.26")
Base color	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 - 1.65 kN/m ²
Wind load (velocity) ⁽¹⁾	0 - 90 km/h (56 mph) / Wind zones 1, 2 Wind zone 3: use of BISOL EasyMount triangular structure or HDPE base 125 is recommended

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

Allowed frame width on the reverse side of the module:



Dimensions of the HDPE base 200:



8x faster installation



No roof penetration



Extremely lightweight



15-year UV and mechanical resistance guarantee



Efficient cooling



Low installation cost

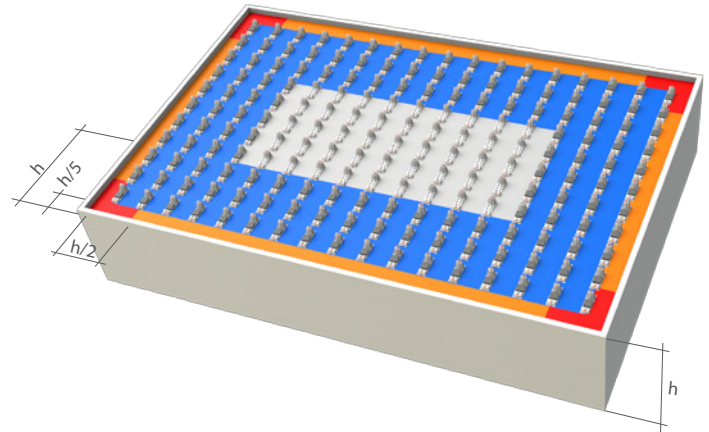
Additional stabilization requirements for different wind zones

WIND ZONE 1: $v=20$ m/s (Average wind speed up to 70 km/h / 45 mph)

building height	Ballast				Ballast with use of wind shields			
	F	G	H	I	F	G	H	I
	kg/base	kg/base	kg/base	kg/base	kg/base	kg/base	kg/base	kg/base
$h \leq 7m$	60	27	27	27	60	27	27	14
$h \leq 8m$	60	40	27	27	60	40	27	14
$h \leq 9m$	(x)	40	40	27	(x)	40	27	14
$h \leq 10m$	(x)	40	40	27	(x)	40	27	27
$h \leq 12m$	(x)	60	40	27	(x)	60	27	27

WIND ZONE 2: $v=25$ m/s (Average wind speed up to 90 km/h / 56 mph)

building height	Ballast				Ballast with use of wind shields			
	F	G	H	I	F	G	H	I
	kg/base	kg/base	kg/base	kg/base	kg/base	kg/base	kg/base	kg/base
$h \leq 8m$	(x)	60	60	30	(x)	60	30	30
$h \leq 9m$	(x)	(x)	60	30	(x)	(x)	60	30
$h \leq 12m$	(x)	(x)	60	60	(x)	(x)	60	60



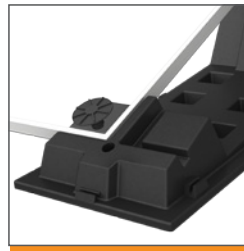
Wind loads calculated in accordance with Eurocode 1 (EN 1991-1-4). Information for additional wind zones available upon request.

^(x)The use of HDPE bases 200 is not recommended.

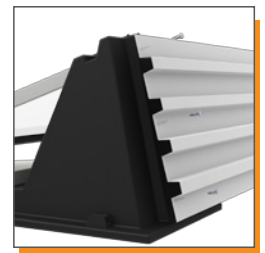
System Components



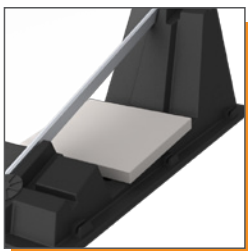
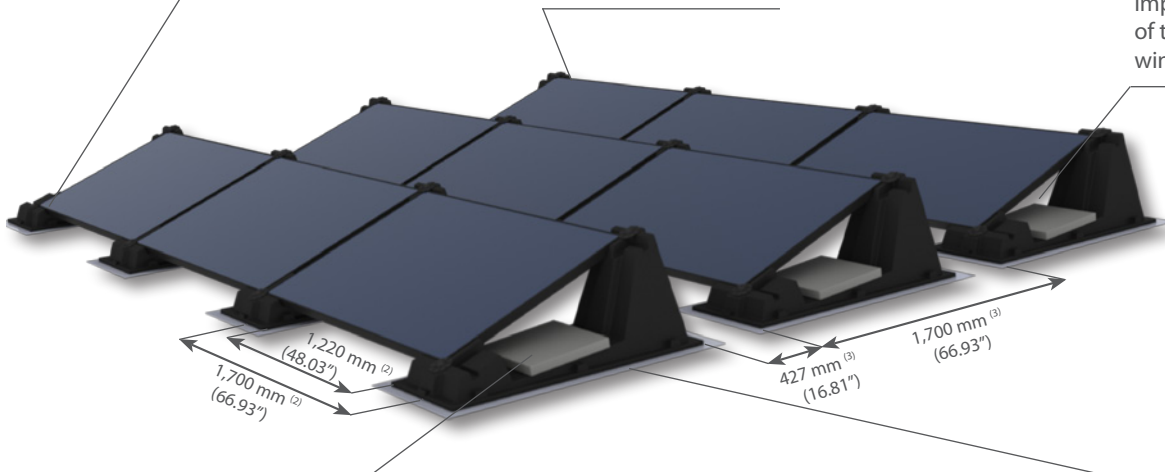
The PV module is placed between two HDPE bases 200 into specially prepared grooves.



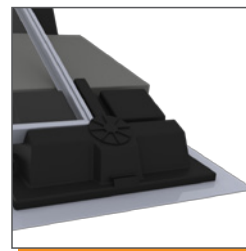
The polypropylene screws are inserted in specially prepared holes and fixed to lock the PV modules in place.



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.



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



An additional layer of the same material should be added on surfaces covered by PVC foil.

⁽²⁾Dimensions specific for use with BISOL modules.

⁽³⁾Layout guideline for optimal yield-to-installed power ratio.