



04

Welded structure

FR-W-US-EW/H/SA/MAX-LONG2100

TYPE

Universal (US)

MODULE DIRECTION

East-west (EW)

MODULE LAYOUT

Horizontal (H)

INSTALLATION

Short side (SA)

MAX PV MODULE LENGTH

2100



SEE ONLINE →



DESCRIPTION

- Multi-part structure, made of Magnelis™ sheet metal, intended for flat roofs, without the need additional ballast.
- Created with the participation of a specialist in the installation of membrane coverings.
- Its unique shape has been designed to significantly reduce assembly time and maximize the force necessary to remove the base.
- Non-invasive assembly with welding technology using the, so called, leister (in the case of PVC) or a gas burner (in the case of bitumen felt),
- High durability of the welded system is confirmed by specialized laboratory tests.
- Ready to be used for modules of various power and sizes, thanks to the use of two adjustable telescopic arms.
- Only one welded base per support is required for proper installation.

Flat roof structures (FR)



- 1. Lower telescope - long side
RBTsOLAR-KDR_2_825

- 2. Upper telescope - long side
RBTsOLAR-KDT_3_825

- 3. Upper telescope - long side
RBTsOLAR-KDT_3_825

- 4. Lower telescope - long side
RBTsOLAR-KDR_2_825

- 5. End telescope - base
RBTsOLAR-KDWZP_6_880

- 6. Middle telescope - base
RBTsOLAR-KDWZL_7_1544

- 7. Welded base for support
RBTsOLAR-KD-PZ

- 8. End telescope - base
RBTsOLAR-KDWZP_6_880

CHARACTERISTICS

FR-W-US-EW/H/SA/MAX-LONG2100

Roof type	Flat roof (FR)
Method of mounting the structure on the roof	Welded (W)
Type of construction	Universal (US)
Module orientation	East-west (EW)
Module layout	Horizontal (H)
How to install a PV module	Short side (SA)
Application/substrate on which it is mounted	PVC membrane/bituminous membrane
Method of assembly	The base of the structure is welded to the roof surface
Does the structure require additional ballast?	No
Is it possible to apply the hybrid solution (weld + ballast)?	No
Approximate weight of the structure per 1m ² of installation without additional ballast (kg/m ²) ²	9,49
Purlin length (mm)	Without purlins
Wind brace length (mm)	Without wind guard
Maximum PV module length (mm) ³	2100
How to install the clamps	Clamps mounted to the triangle - key system
Method of distribution	Available in stock

¹ the proposed installation method for a given type of module may differ from the installation method provided by the PV module manufacturer, whose recommendations and recommendations determine the proper installation.

² weight calculated for a system of three modules in one row with the maximum dimensions for a given type of structure

³ the given maximum size of the module and the proposed method of its installation may differ from the installation method provided by the PV module manufacturer, whose recommendations and recommendations determine the proper installation

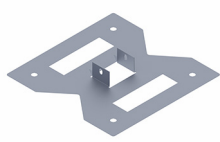


LIST OF PARTS - BASE OF CONSTRUCTION



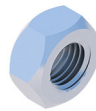
Universal triangle
East-west

RBTSOLAR-FR-US-EW



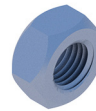
Welded base
for support

RBTSOLAR-KD-PZ



Self-locking nut
M8 DIN985 A2

NSHM8A2



Hexagonal nut
M10 IE

NM10Z



Washer M10 300HV
ISO7093-1 IE

PSZM10Z



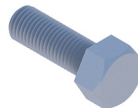
Round washer
A2 8.4 DIN125A

PPM8A2



Allen screw
M8X100 DIN912 A2

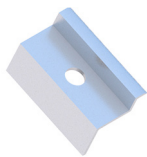
SIM8X100A2



Hexagonal screw
M10X20 IE

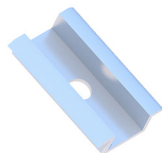
SM10X20Z

LIST OF PARTS - OTHER INSTALLATION ELEMENTS



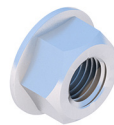
End clamp
30/32/35/40
Nature/Black

KLK50/30(32/35/40)ALN
KLK50/30(32/35/40)ALCZ



Middle clamp
50 universal
Nature/Black

KLSR50ALN
KLSR50ALCZ



Flange nut
serrated
M8 DIN6923 A2

NKM8A2



Allen screw
M8X35 DIN912 A2

SIM8X35A2