



ASSEMBLY INSTRUCTIONS FOR THE CONSTRUCTION DP-DTHKS (Mounting along the short side of the panel)

Manufacturer:

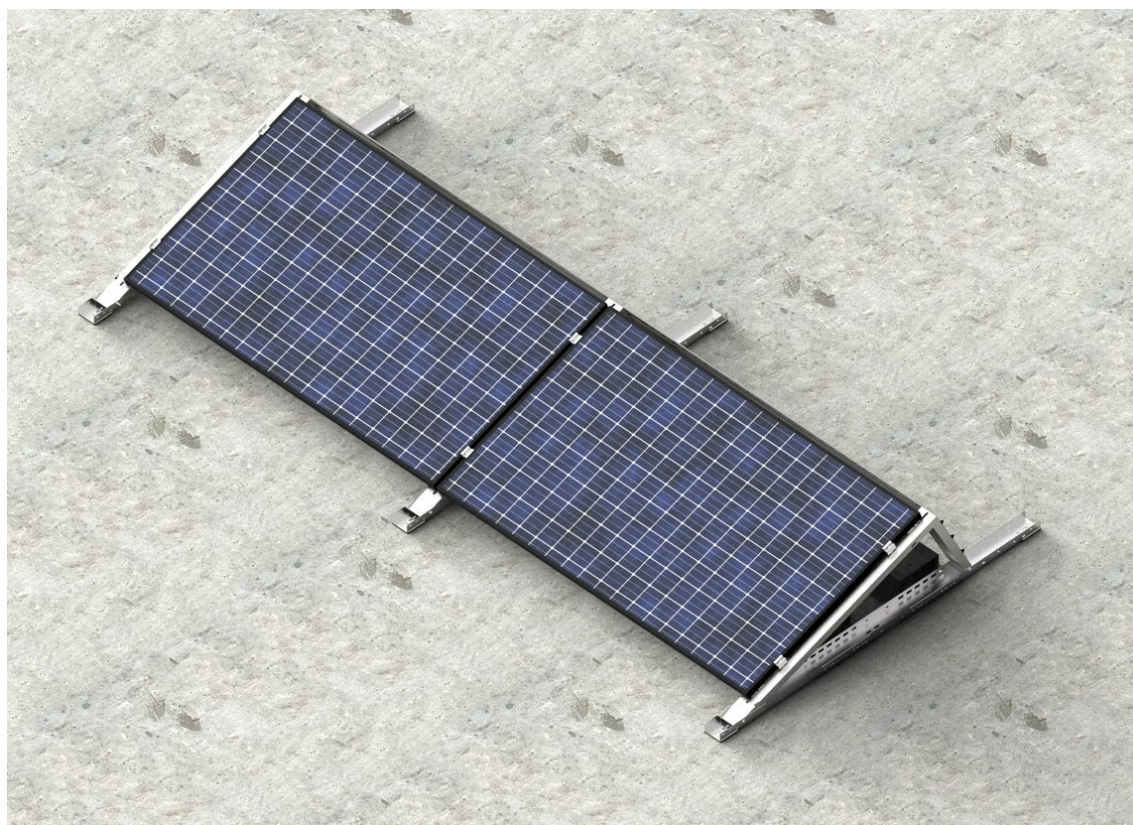
BAKS

ul. Jagodne 5

05-480 Karczew

Poland

Steel structure for flat roofs in anchored design.
Mounting of PV modules in horizontal orientation (landscape format)
Mounting along the short side of the panel.



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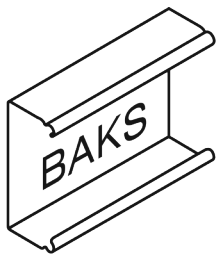
NIP: 5320102041

Regon: 008278930

Internet: www.baks.com.pl

Email: baks@baks.com.pl

Phone 22 710 81 00



1. Tools required for the assembly of the structure

- Allen wrench, size 6
- Cordless screwdriver with speed and torque control
- Hexagon socket bit, size 6, for the screwdriver head
- Combination wrench, size 13 mm
- Ratchet with sockets, size 13 mm
- Extension 100–120 mm for socket wrenches
- Rubber mallet
- Torque wrench, range 10-30 Nm

2. General information

- The structure can be used in wind and snow load zones in accordance with **PN-EN 1991-1-3 and PN-EN 1991-1-4** standards.
- **Before starting assembly, the installation instructions of the PV module manufacturer must be observed.**
- The BUFEK.../PUFK clamps must be tightened with a torque of 12–14 Nm (check the module manufacturer's specifications).
- Contact details of technical support BAKS – available Monday to Friday from 7:00 a.m. to 3:00 p.m.:
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Deputy Head of the Photovoltaics Department
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3. Overview of the components of the DP-DTHKS design Overview of the components of the DP-DTHK design

No	Description	Product Symbol	Use in construction
1	Lower profile	PDTSMC	Load-bearing profile
2	Upper profile	PGTSMC	Module edition
3	Side clamp KCLICK	BUFEK...	Side module clamp
4	Middle clamp KCLICK	PUFK	Middle module clamp
5	Channel base with vibration damping rubber	PC100J	Prevents pressure loading of the profile ends on the roof waterproofing
6	Screw set	SKKM8x12E	Connection of the lower with the upper profile
7	Wind deflector	OWN20/... MC	Wind deflector
8	Self Drilling Screw	SMDP4.8x25E	Installation of the wind deflectors
9	Anchor	PSRM8x75F	Exemplary fastening anchor for the construction

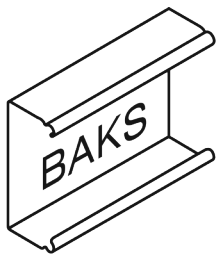
Table 1. Overview of construction elements

4. Assembly of the structure type DP-DTHKS ((mounting on the short side of the module)

The dimensions A and B (dimension B = module length + 20 mm) depend on the size of the modules to be assembled.

The determination is carried out by actually applying the module to the PDTSMC and PGTSMC profiles that have already been mounted.

The maximum module dimensions allowed for proper mounting on the DP-DTHKS structure along the short side of the panel: 2100 mm long × 1150 mm wide (check information with the module manufacturer).



By selecting the appropriate mounting hole in the PDTSMC foot, the angle of inclination of the structure is adjusted according to Fig. 1.

For installation of wind deflectors OWN20/...NMC, use self-drilling screws SMPD4.8x25E.

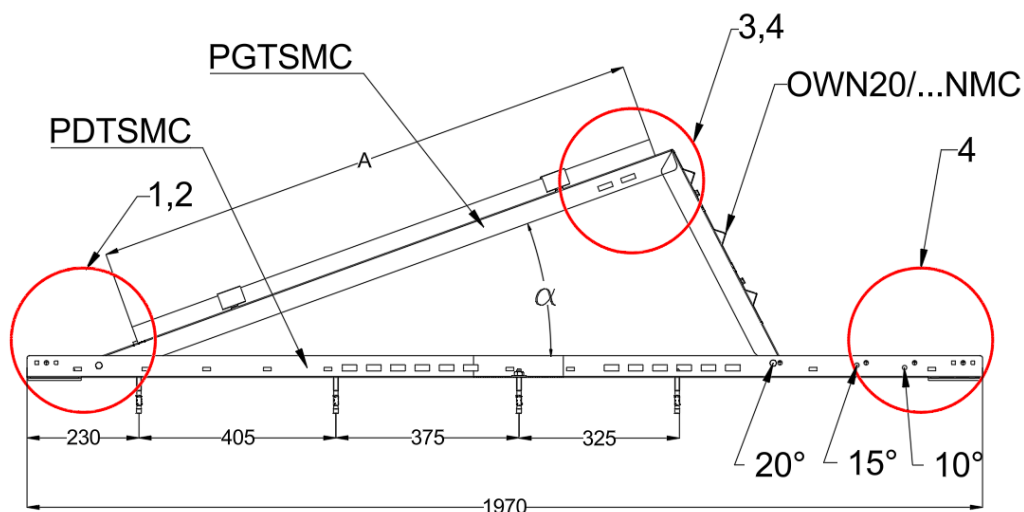


Fig. 1.

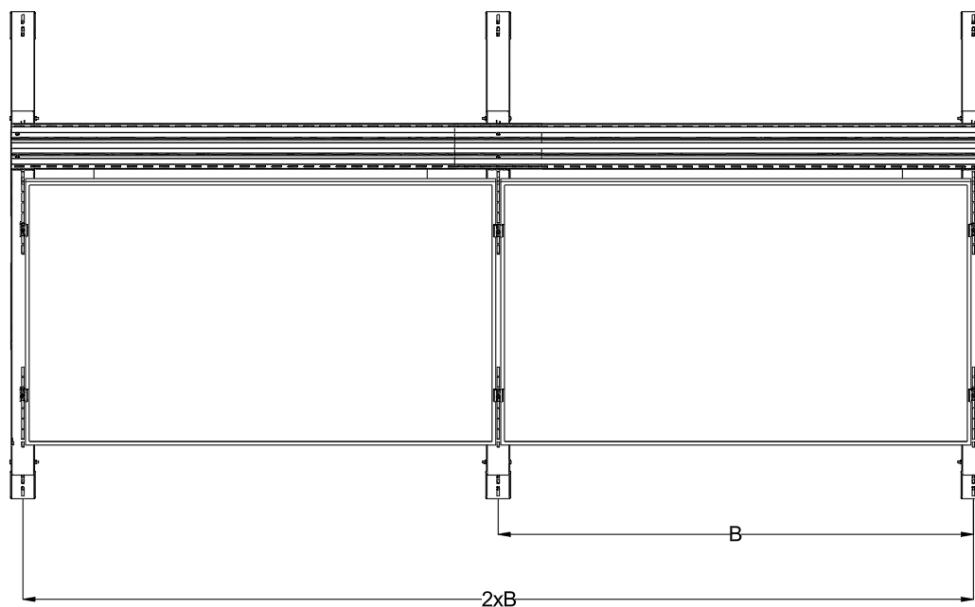


Fig. 2.

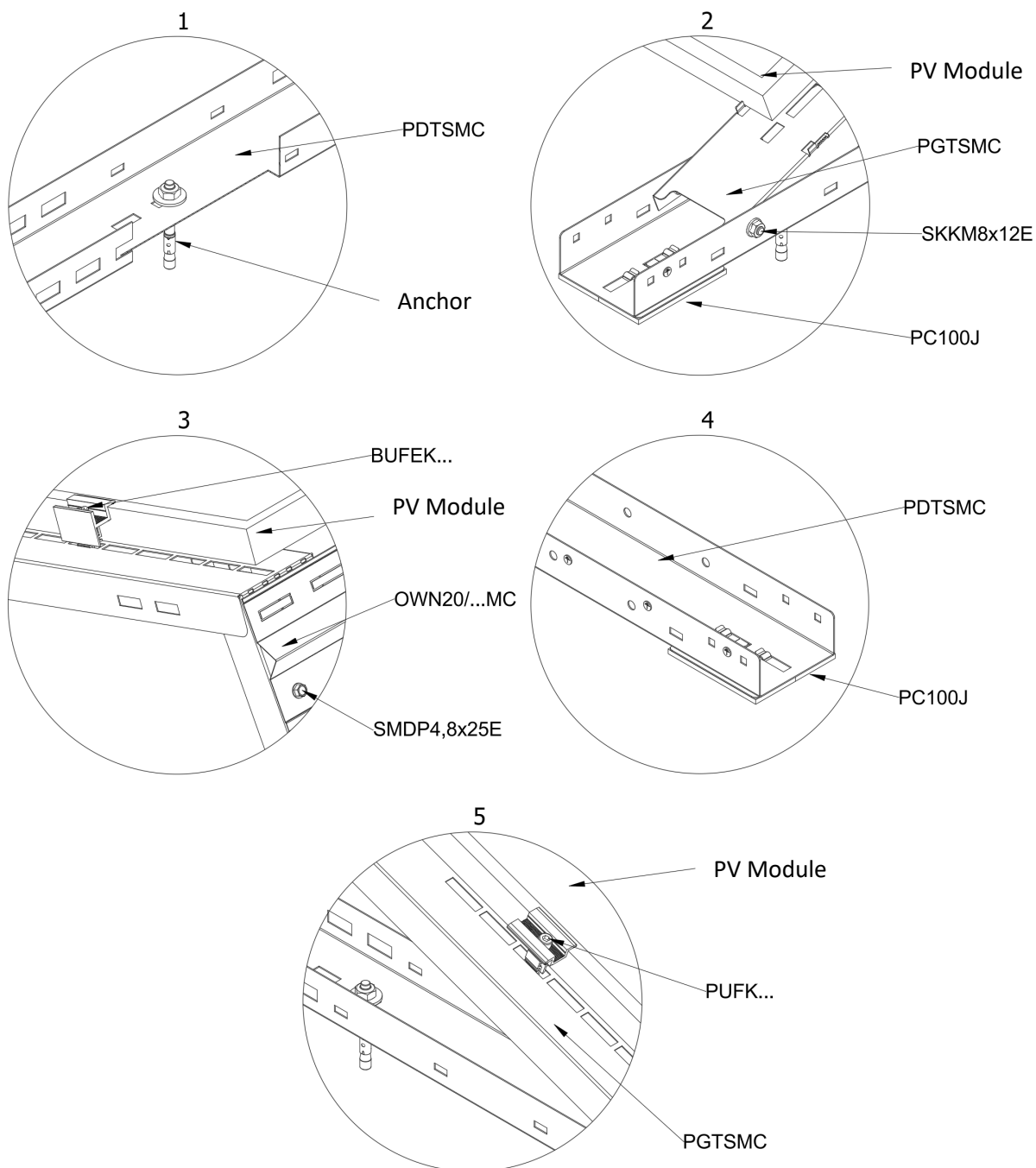
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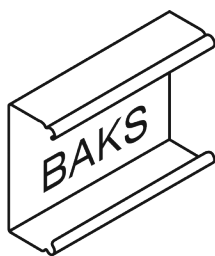
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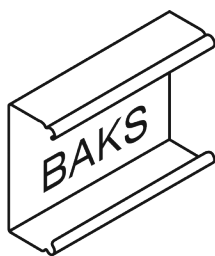
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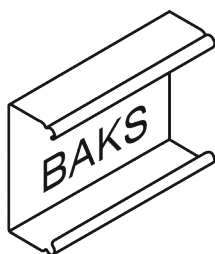
Table 1. Overview of construction elements

8. Assembly of the structure type DP-DTHKS (mounting on the long side of the module)

Dimension A, B, C and D (dimension C is the mounting distance of the panel clamp specified in the installation manual by the module manufacturer). Dimension D is the resulting dimension depending on the length of the module.

Dimension A corresponds to the module width (the maximum permissible module width is 1150 mm).

Dimension B corresponds to the module length.



By selecting the appropriate mounting hole in the PDTSMC foot, the angle of inclination of the structure is adjusted according to Fig. 1.

For installation of wind deflectors OWN20/...NMC, use self-drilling screws SMPD4.8x25E.

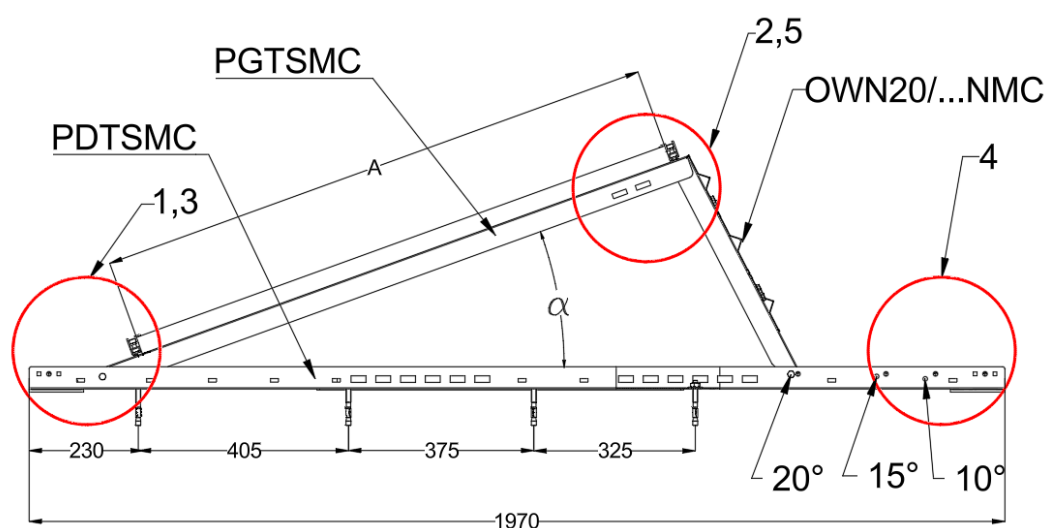
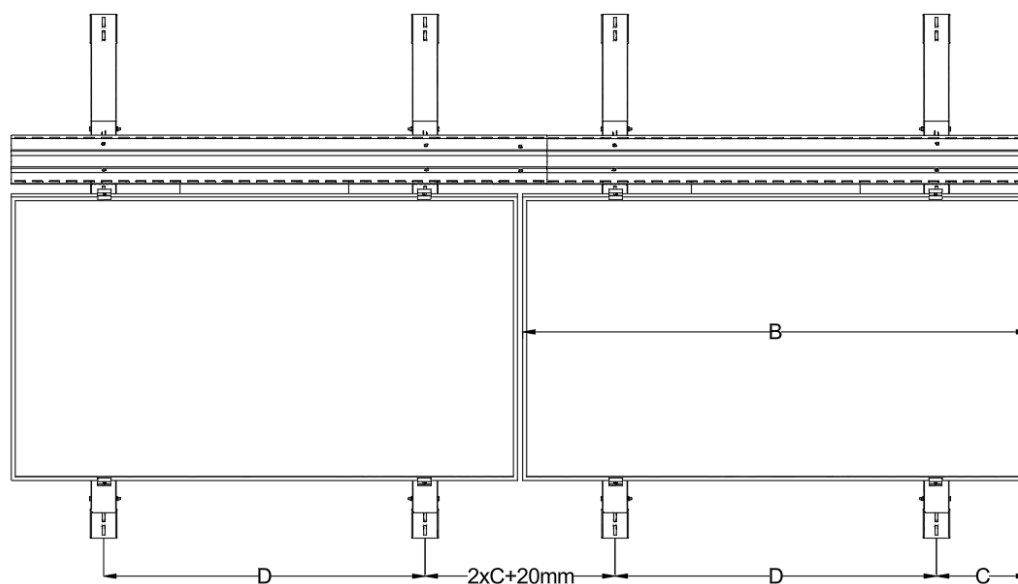


Fig. 2.



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