



**ASSEMBLY INSTRUCTIONS FOR THE CONSTRUCTION
DP-DTHKS-WZ
(mounting on the short side of the module)**

Manufacturer:

BAKS

ul. Jagodne 5

05-480 Karczew

Polska

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



BAKS - KAZIMIERZ SIELSKI

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NIP: 5320102041

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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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3. Overview of the components of the DP-DTHKS-WZ design

No	Nazwa	Symbol produktu	Przeznaczenie w konstrukcji
1	Lower profile	PDTSWZMC	Load-bearing profile
2	Upper profile	PGTSWZMC	Module edition
3	Side clamp KCLICK	BUFEK...	Side module clamp
4	Middle clamp KCLICK	PUFK	Middle module clamp
5	Screw set	SKKM8x12E	Connection of the lower with the upper profile
6	C-profile base with vibration damping rubber	PC100J	Prevents pressure loading of the profile ends on the roof waterproofing
7	Anchor	PSRM8x75F	Exemplary fastening anchor for the construction

Table 1. Overview of construction elements

4. Assembly of the construction type DP-DTHKS-WZ (mounting along the short side of the module)

Dimensions A and B (dimension B is the length of the module + 20mm) depends on the size of the modules to be installed. It should be determined by physically fitting the module to the mounted PDTSWZMC and PGTSWZMC profiles.

The maximum size of the modules that can be correctly mounted on the DP-DTHBS-WZ structure along the short side of the panel is: 2100mm long x 1150mm wide (to be verified with the module manufacturer)



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

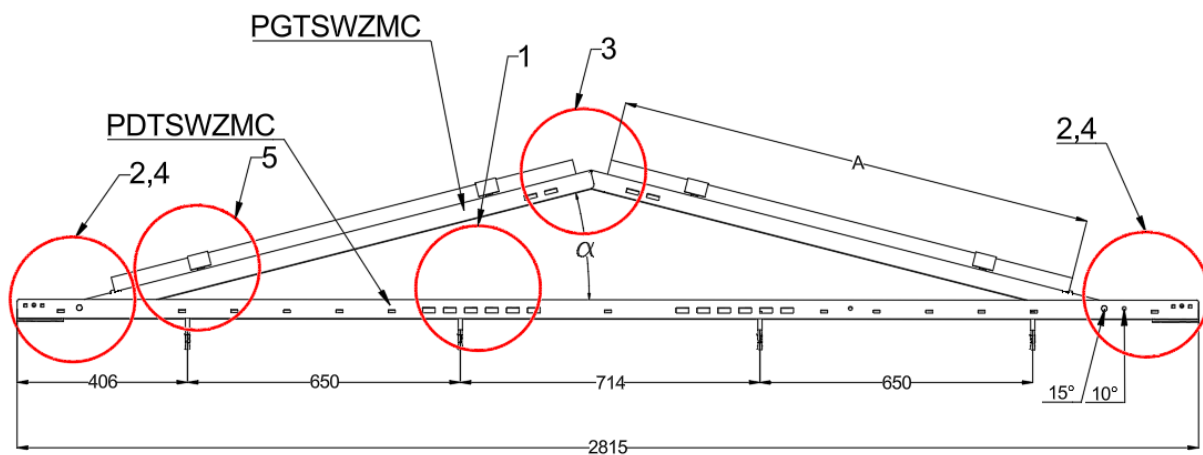


Fig. 1.

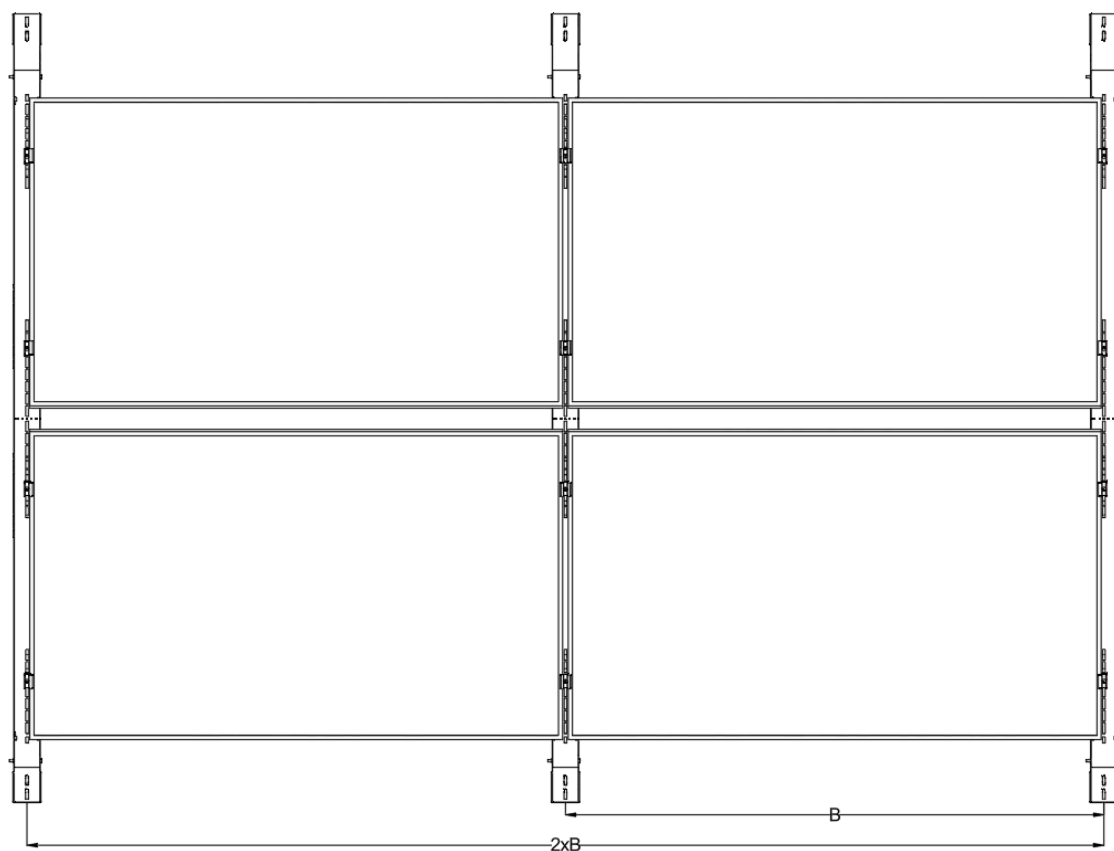
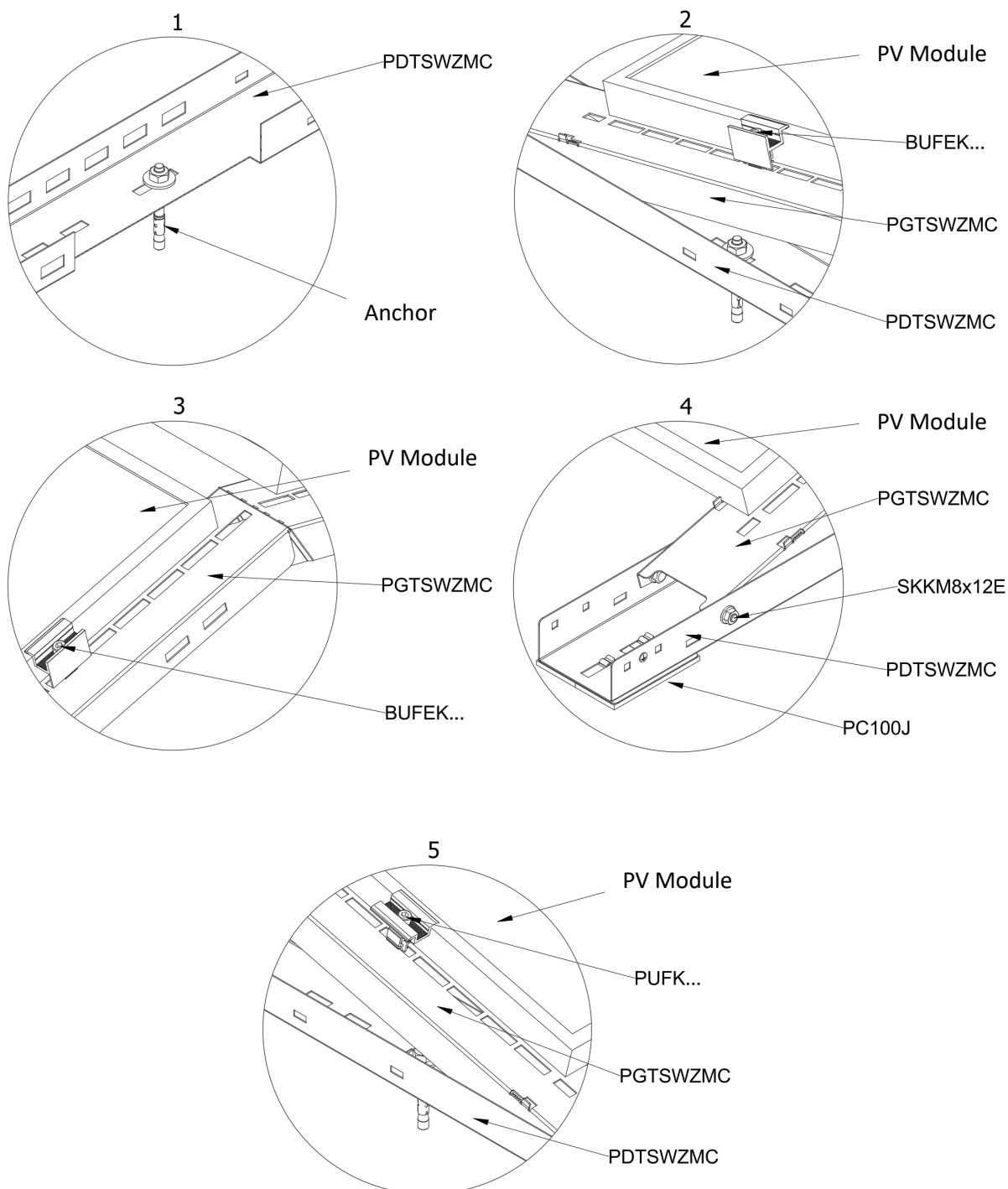


Fig. 2.





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6. 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.
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7. Overview of the components of the DP-DTHKS-WZ design

No	Description	Product Symbol	Use in construction
1	Lower profile	PDTSWZMC	Load-bearing profile
2	Upper profile	PGTSWZMC	Module edition
3	Side clamp KCLICK	BUFEK...	Side module clamp
4	Screw set	SKKM8x12E	Connection of the lower with the upper profile
5	C-profile base with vibration damping rubber	PC100J	Prevents pressure loading of the profile ends on the roof waterproofing
6	Anchor	PSRM8x75F	Exemplary fastening anchor for the construction

Table 1. Overview of construction elements

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

The dimensions A, B, C and D (dimension D corresponds to the distance of the module clamp specified in the module manufacturer's assembly instructions) are dependent on the Modulabmessungen. Maß B is a resulting dimension that depends on the module length.

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



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

Note: To ensure electrical continuity, an equipotential bonding connection must be made by connecting the PDTSWZMC bases of each PV module according to Fig. 2.

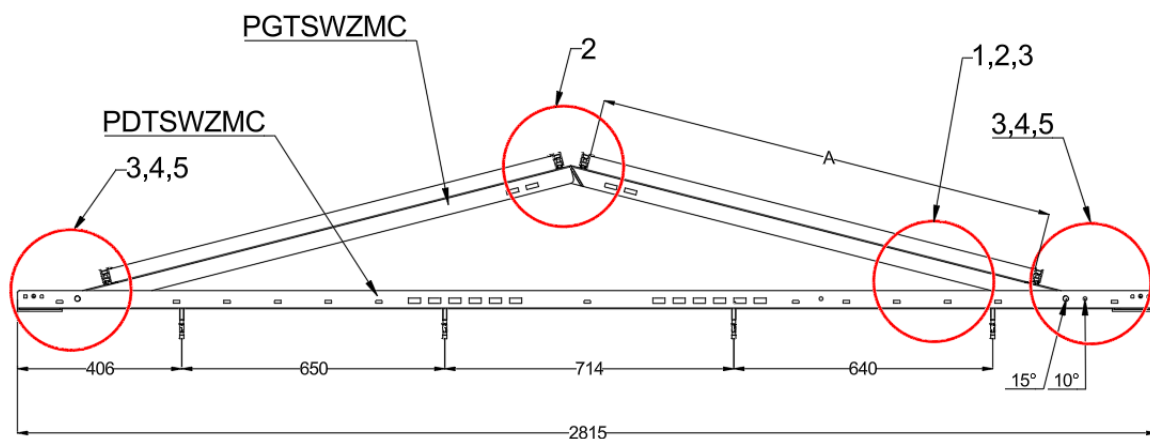


Fig. 2.

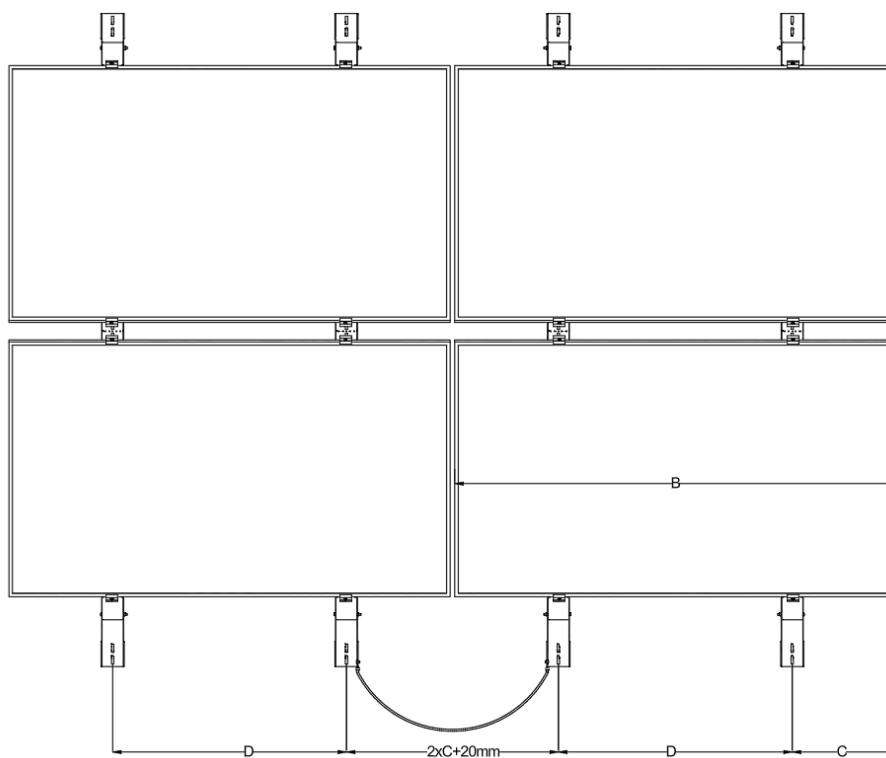
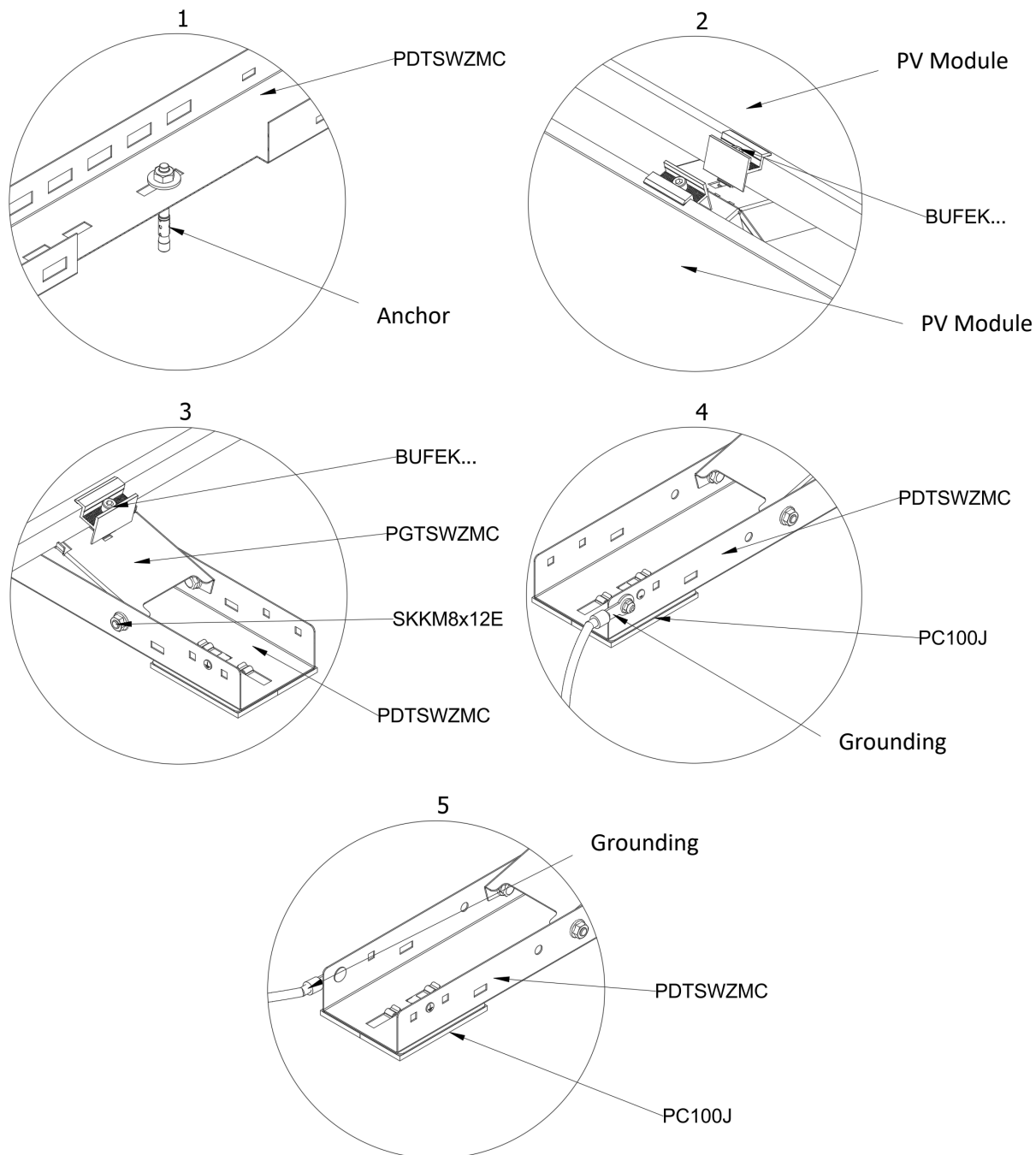


Fig. 2



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