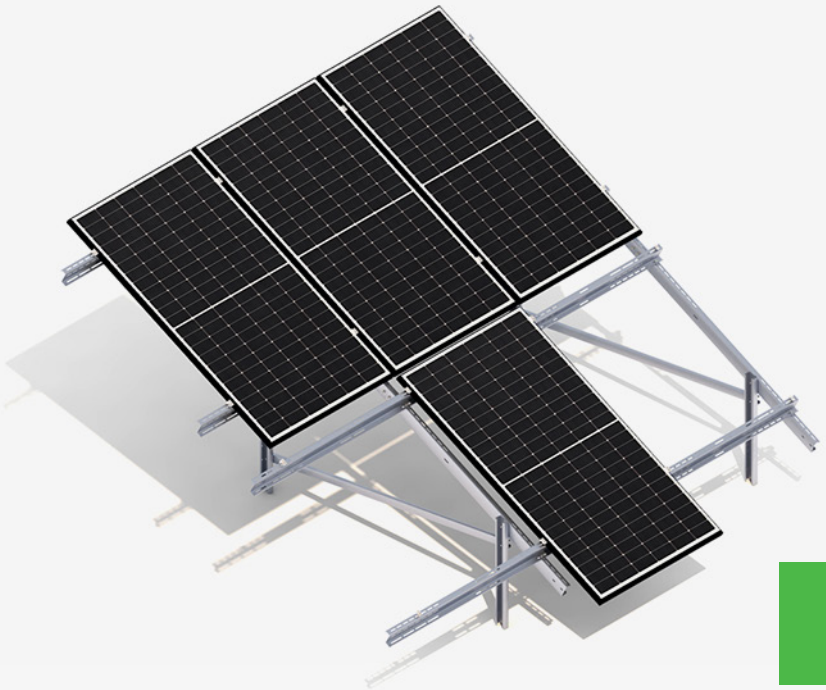
02 Piled structure

G-P-US-S/V/2/MAX2465×1500/2×1
G-P-US-S/V/2/MAX2465×1500/2×2

TYPE	MODULE DIRECTION	MODULE LAYOUT	SUPPORTS NO.	NO. / WIDTH (MAX) OF PV MODULES
Universal (US)	South (S)	Vertical (V)	Two	2×1 i/lub 2×2 / 2465×1500



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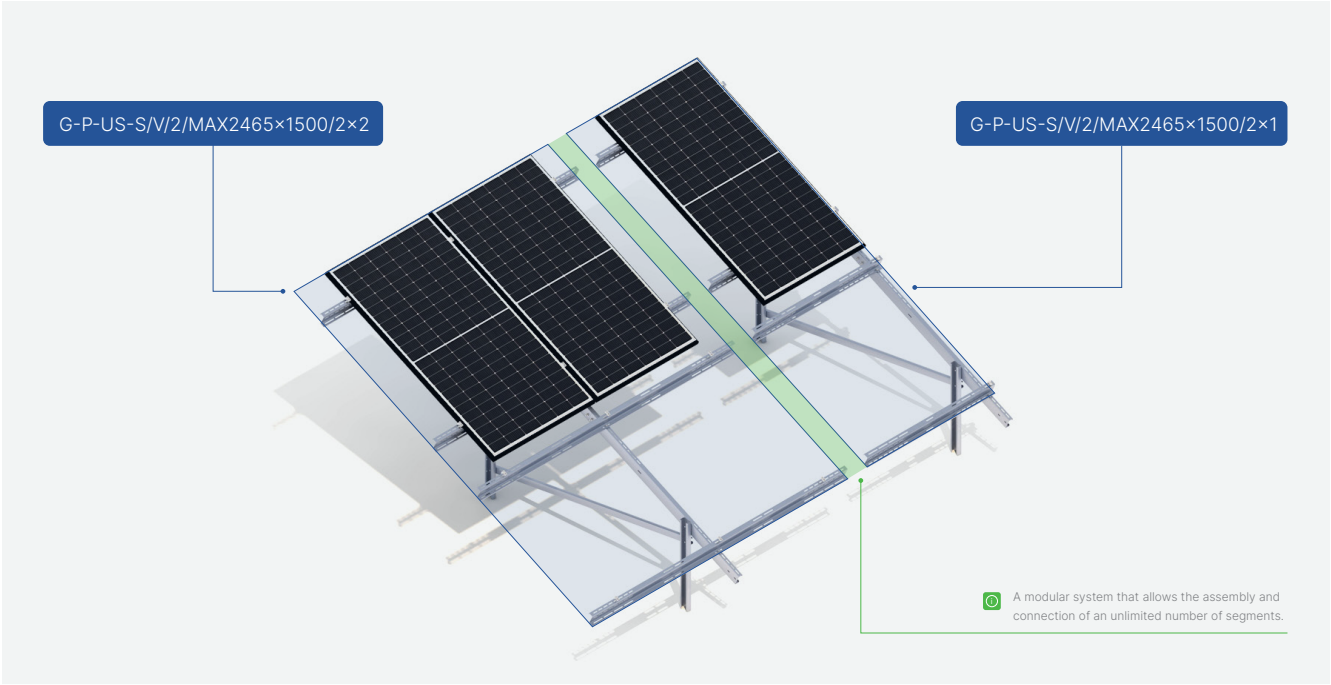
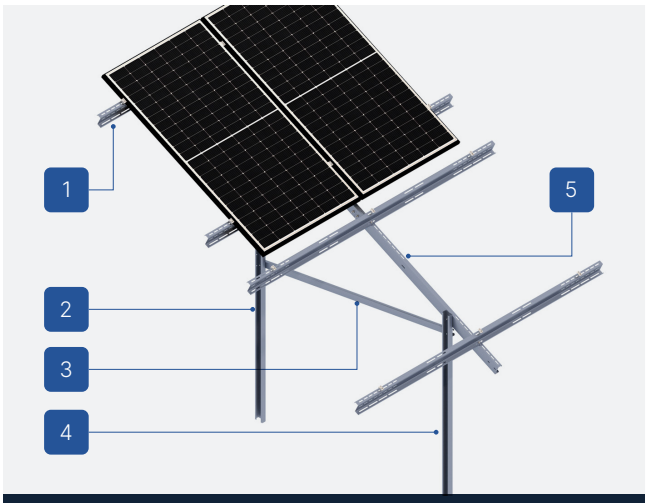
DESCRIPTION

- A universal mounting system built with adjustable, telescopic beams allowing for the use of structures for modules of different power and size.
- A multipart ground structure made of Magnelis™ steel designed for soil, piled without the need for additional ballasting.
- Excellent for constructing installations up to 50 kW that require quick delivery of structures to the construction site.
- The screw system used for mounting beams, latches, and posts does not require servicing as long as the installation is carried out according to the instructions.
- Available in stock with piling up to 1500 mm.
- A construction system for which assembly requires assembling a minimum of two construction segments - segment 2×2 and/or 2×1.
- A modular system that allows the assembly and connection of an unlimited number of segments.
- The system is designed for ground installations where the primary criterion for choosing the structure is the inability to use additional ballast.
- The possibility of using a hybrid system in which there is an option to load the column/columns with ballast in places where it is not possible to drive stakes to a specified depth.

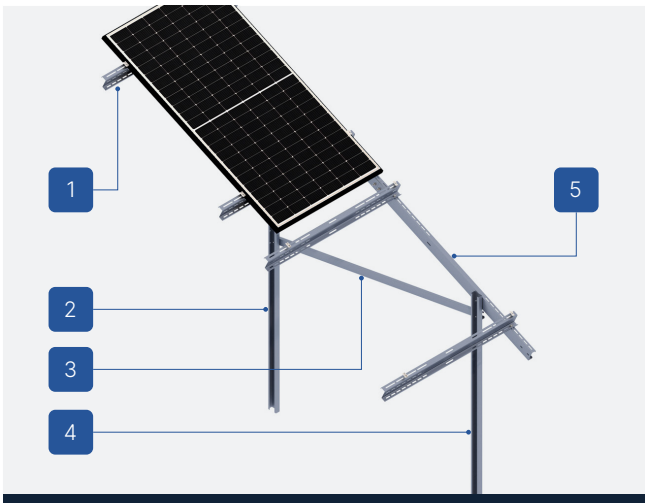
We recommend that each structure intended for production be previously calculated by our Technical Department regarding its installation in a specific wind and snow zone, as well as based on geotechnical conditions examined beforehand.

The structure is designed for wind and snow zones specified as W1S2, with piling not deeper than 1500. To initiate production, no prepayment is required, unlike constructions produced for individual orders.





1. Purlin
2. Back leg/support
3. Zastrzał przód-tył
4. Front leg/support
5. Latch



1. Purlin
2. Back leg/support
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4. Front leg/support
5. Latch

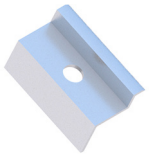
Ground structures (G)

CHARACTERISTICS

CHARACTERISTICS	G-P-US-S/V/2/MAX2465×1500
Type of substrate	Ground (G)
Construction installation method	Piled structure (P)
Type of construction	Universal (US)
Module orientation	South (S)
Module layout	Vertical (V)
Type of modules	Standard/Bifacial
Shape of the column	C-profile
Does the construction require additional ballast?	No
Is it possible to use a hybrid solution (piling + ballast)?	Yes - possibility of additinal ballasting
Height of standard clamps (mm)	35
Thickness of standard clamps (mm)	5
Maximum PV module size (mm)	2465×1500
Distribution method	Available in stock

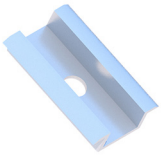
	2×1	2×2
Minimum number of modules on the structure	2 (+2)	4 (+4)

LIST OF PARTS - BASE OF CONSTRUCTION



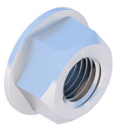
End clamp
35
Nature/Black

KLK50/35ALN
KLK50/35ALCZ



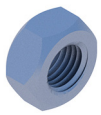
Middle clamp
50 universal
Nature/Black

KLSR50ALN
KLSR50ALCZ



Flange nut
serrated
M8 DIN6923 A2

NKM8A2



Hexagonal nut
M10 IE

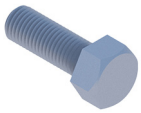
NM10Z

Washer M10 300HV
ISO7093-1 IE

PSZM10Z

Allen screw
M8X100 DIN912 A2

SIM8X100A2



Hexagonal screw
M10X20 IE

SM10X20Z