



11

Piled structure

G-P-I-EW/H/3/3×3-3×3

TYPE

Individual (I)

MODULE DIRECTION

East-west (EW)

MODULE LAYOUT

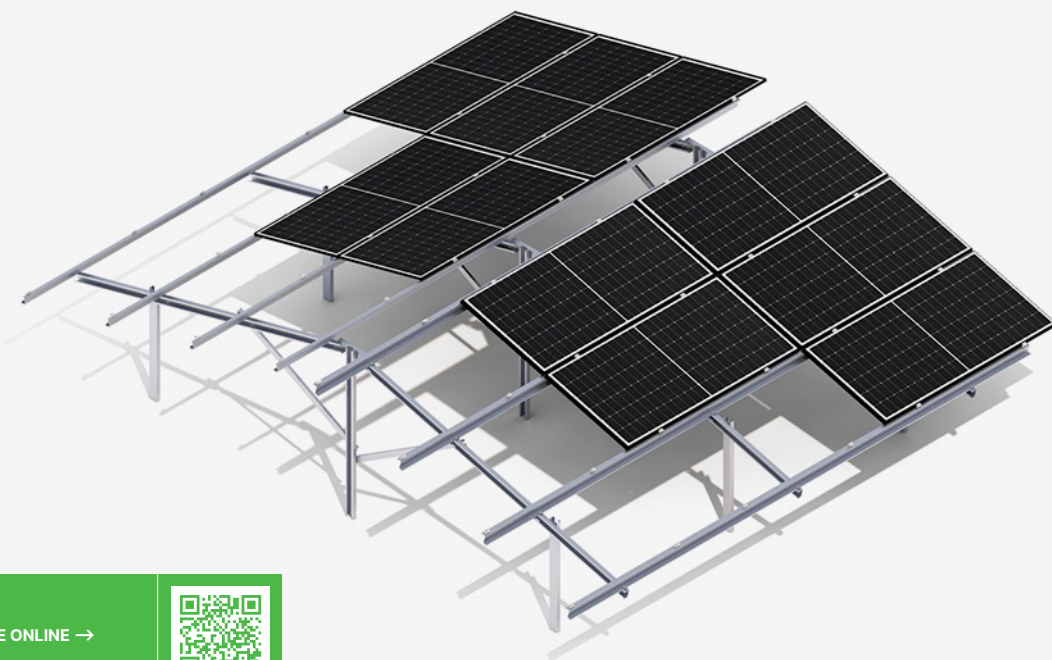
Horizontal (H)

SUPPORTS NO.

Three

NUMBER OF PV MODULES

3×3 + 3×3 (+6)



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DESCRIPTION

- A multipart ground structure made of Magnelis™ steel designed for soil. Piled, without the need for additional ballasting.
- Excellent for constructing installations above 50 kW, that require building permits, and whose components need optimization due to the specific location of the structure.
- The mounting system is constructed from individually selected structural elements, including beams, latches, and legs, allowing for the use of the structure only for predetermined modules and their sizes.
- The screw system used for mounting beams, latches, and legs does not require servicing, as long as the installation is carried out according to the instructions.
- Before production, it is necessary to provide a site development plan, along with module installation instructions and geotechnical conditions, including previous piling test results.
- The system is designed for ground installations, where, due to challenging geotechnical conditions (e.g., areas with dolomite), it is necessary to use two-piece columns, including a lower column with increased strength (CW profile) for piling in rocky soils.
- There is the possibility of applying a hybrid system, allowing for the weighting of the leg/legs in places where it is not possible to drill it/them 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.

Ground structures (G)



- 1. Latch
- 2. Purlin
- 3. Long leg/support
- 4. Strut
- 5. Short leg/support

CHARACTERISTICS

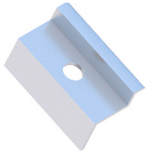
G-P-I-EW/H/3/3x3-3x3

Type of substrate	Ground (G)
Construction installation method	Piled structure (P)
Type of construction	Individual (I)
Module orientation	East-west (EW)
Module layout	Horizontal (H)
Number of columns	3
Number of PV modules	3x3 + 3x3 (+6)
Type of modules	Standard/Bifacial
Shape of the column	C-profile / CW-profile
Does the construction require additional ballast?	No
Is it possible to use a hybrid solution (piling + ballast)?	Yes - possibility of additional ballasting
Minimum number of modules on the structure	18
Height of standard clamps (mm)	35
Thickness of standard clamps (mm)	5
Maximum PV module size (mm)	-
Distribution method	Individual order

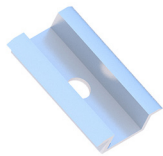
Ground structures (G)



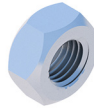
LIST OF PARTS - BASE OF CONSTRUCTION



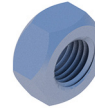
End clamp
35
Nature/Black
KLK50/35ALN
KLK50/35ALCZ



Middle clamp
50 universal
Nature/Black
KLSR50ALN
KLSR50ALCZ



Flange nut
serrated
M8 DIN6923 A2
NSHM8A2



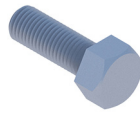
Hexagonal nut
M10 IE
NM10Z



Washer M10 300HV
ISO7093-1 IE
PSZM10Z



Allen screw
M8X100 DIN912 A2
SIM8X100A2



Hexagonal screw
M10X20 IE
SM10X20Z

LIST OF PARTS - OTHER INSTALLATION ELEMENTS



Bipartite support leg
CW-profile



Strut