



22

Ballast structure

G-B-I-EW/H/3/4×4-4×4

TYPE

Individual (I)

MODULE DIRECTION

East-west (EW)

MODULE LAYOUT

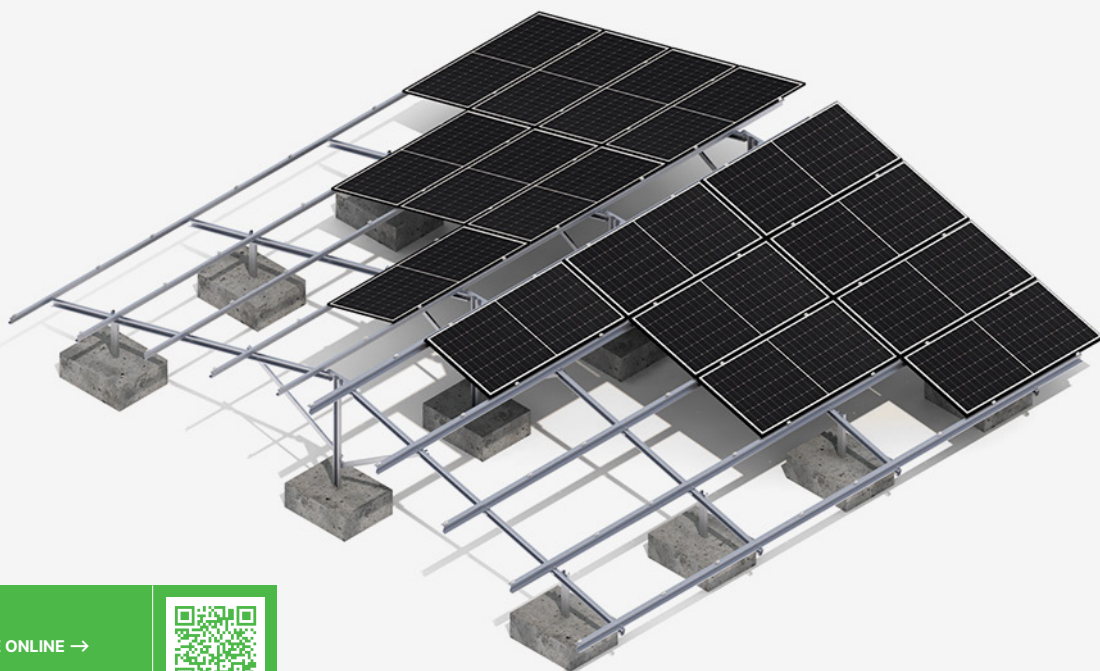
Horizontal (H)

SUPPORTS NO.

Three

NUMBER OF PV MODULES

4×4 + 4×4 (+8)



SEE ONLINE →



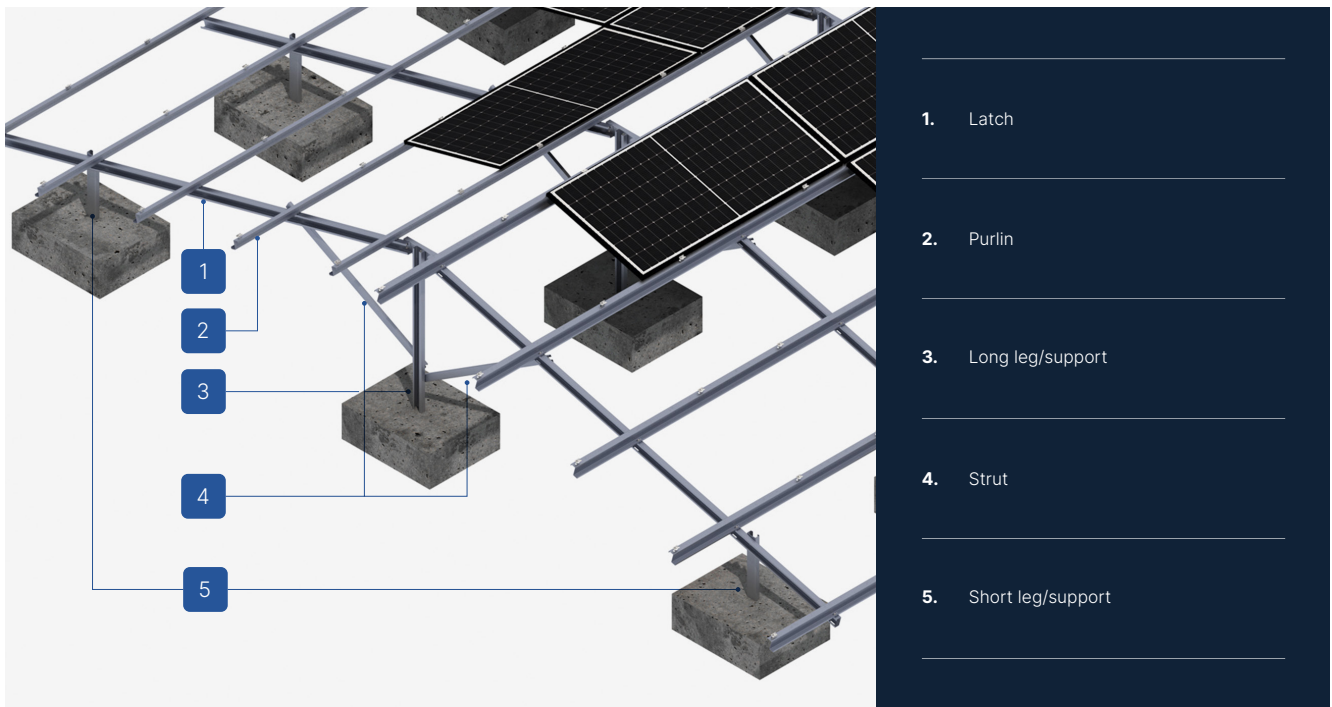
DESCRIPTION

- A multipart ground structure made of Magnelis™ steel designed for soils and areas where additional ballasting is required.
- 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.
- The system is designed for ground installations where the primary criterion for choosing the structure is the need for additional ballasting.
- 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 specified wind and snow zone.

Ⓢ The structure is designed for individually specified wind and snow zones, with individually selected ballast. To initiate production, a prepayment is required, the amount of which is specified in the offer.

Ground structures (G)



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

G-B-I-EW/H/3/4×4-4×4

Type of substrate	Ground (G)
Construction installation method	Ballast structure (B)
Type of construction	Individual (I)
Module orientation	East-west (EW)
Module layout	Horizontal (H)
Number of columns	3
Number of PV modules	4×4 + 4×4 (+8)
Type of modules	Standard/Bifacial
Shape of the column	C-profile / CW-profile
Does the construction require additional ballast?	Yes
Is it possible to use a hybrid solution (piling + ballast)?	Yes - possibility of additional ballasting
Minimum number of modules on the structure	32
Height of standard clamps (mm)	35
Thickness of standard clamps (mm)	5
Maximum PV module size (mm)	-
Distribution method	Individual order

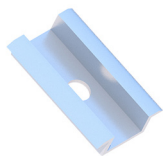
Ground structures (G)



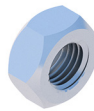
LIST OF PARTS - BASE OF CONSTRUCTION



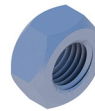
End clamp
35
Nature/Black
KLK50/35ALN
KLK50/35ALCZ



Middle clamp
50 universal
Nature/Black
KLSR50ALN
KLSR50ALCZ



Flange nut
serrated
M8 DIN6923 A2
NSHM8A2



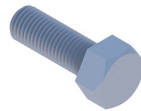
Hexagonal nut
M10 IE
NM10Z



Washer M10 300HV
ISO7093-1 IE
PSZM10Z



Allen screw
M8X100 DIN912 A2
SIM8X100A2



Hexagonal screw
M10X20 IE
SM10X20Z

LIST OF PARTS - OTHER INSTALLATION ELEMENTS



Strut