



20

## Ballast structure

G-B-I-EW/V/3/2×4-2×4

**TYPE**

Individual (I)

**MODULE DIRECTION**

East-west (EW)

**MODULE LAYOUT**

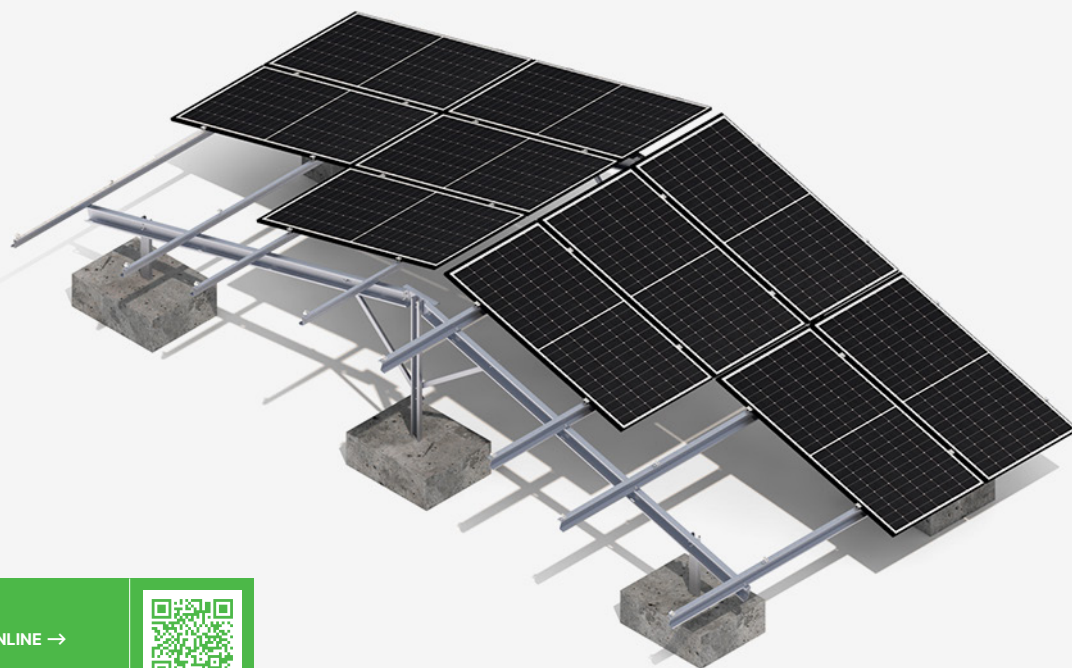
Vertical (V)

**SUPPORTS NO.**

Three

**NUMBER OF PV MODULES**

2×4 + 2×4 (+4)



SEE ONLINE →

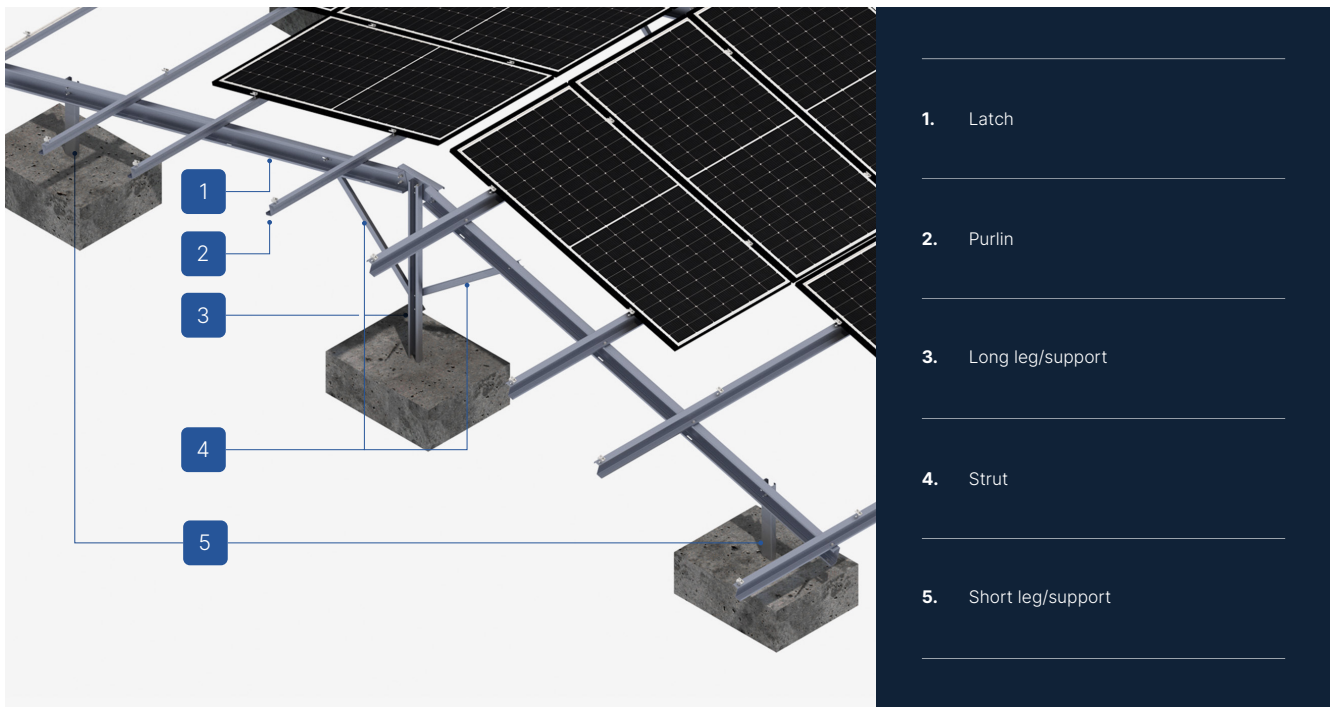


### DESCRIPTION

- 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.



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

**CHARACTERISTICS**

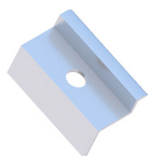
**G-B-I-EW/V/3/2x4-2x4**

Type of substrate	Ground (G)
Construction installation method	Ballast structure (B)
Type of construction	Individual (I)
Module orientation	East-west (EW)
Module layout	Vertical (V)
Number of columns	3
Number of PV modules	2x4 + 2x4 (+4)
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	16
Height of standard clamps (mm)	35
Thickness of standard clamps (mm)	5
Maximum PV module size (mm)	-
Distribution method	Individual order

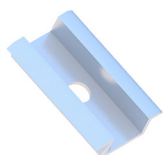
Ground structures (G)



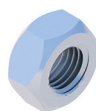
**LIST OF PARTS - BASE OF CONSTRUCTION**



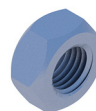
End clamp  
35  
Nature/Black  
**KLK50/35ALN**  
**KLK50/35ALCZ**



Middle clamp  
50 universal  
Nature/Black  
**KLSR50ALN**  
**KLSR50ALCZ**



Flange nut  
serrated  
M8 DIN6923 A2  
**NSHM8A2**



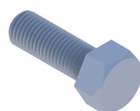
Hexagonal nut  
M10 IE  
**NM10Z**



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