

MGS-Micro Ground System

MGS-B/MGS-A8/MGS-A12

Logistics

- + Stockable
- + All-in-one box packaging
- + Designed for easy transportation

Design & Planning

- + Pre-configured/No design tool needed
- + Extendable to almost any kW size
- + Pre-designed concrete foundations

Installation

- + No excavation needed
- + Revolutionary module clamping method
- + Integrated wire management



MGS-B / 12 Modules / 3kWp

+



MGS-A8 / 8 Modules / 2kWp

+



MGS-A12 / 12 Modules / 3kWp

System Datasheet

MGS-B

Base kit (mandatory)



General

System	Ground mount Kit-System for 12 PV-modules
Content	Sigma posts (front & back), braces, top chord, purlins, fastening material (Ballast not included)
System warranty	10 years
Application area	Commercial, industrial, agricultural and residential (i.e. landfill, ground mount, backyard)
Available add-ons	MGS-A8 (2kW), MGS-A12 (3kW)

System properties

System orientation	South/North
Module tilt	20°
Weight	166 kg
Dimensions (packaging)	4,900mm x 350mm x 270mm (LxWxH)
Material	Pre-galvanized steel; hot dipped galvanized steel or zink magnesium, stainless steel
Design loads	max. windload= 0,8 kN/m ² ; max. snowload 2 kN/m ²
Required space	4.9m x 3.8m (19m ²)

PV-Modules

Type	Framed PV-Modules with flange
Orientation	Landscape: 4 high x 3 wide
Dimension	Length: max. 1,680mm/Width: max. 1,001 mm
Fixation	Assembly from below

System Datasheet

MGS-A8

Add-on kit



General

System	Ground mount add-on kit for 8 PV-modules
Content	Sigma posts (front & back), brace, top chords, purlins, fastening material (ballast not included)
System warranty	10 years
Application area	Commercial industrial, agricultural and residential (i.e. landfill, ground mount, backyard)
Base (mandatory)	MGS-B (12 PV-Modules)
Add-on	MGS-A8/MGS-A12

System properties

System orientation	South/North
Module tilt	20°
Weight	105 kg
Dimensions (packaging)	4,045mm x 350mm x 145mm (LxWxH)
Material	Pre-galvanized steel; hot dipped galvanized steel or zink magnesium, stinl
Design loads	max. windload= 0,8 kN/m ² ; max. snowload 2 kN/m ²
Required space	minimum 3.3m x 3.8m (12.6m ²)

PV-Modules

Type	Framed PV-Modules with flange
Orientation	Landscape: 4 high x 2 wide
Size (Landscape)	Length: max. 1,680 mm/Width: max. 1,001 mm
Fixation	Assembly from below

System Datasheet

MGS-A12

Add-on kit



General

System	Ground mount add-on kit for 12 PV-modules
Content	Sigma posts (front & back), brace, top chords, purlins, fastening material (Ballast not included)
System warranty	10 years
Application area	Commercial, industrial, agricultural and residential (i.e. landfill, ground mount, backyard)
Base (mandatory)	MGS-B (3kW)
Add-on	MGS-A8/MGS-A12

System properties

System orientation	South/North
Module tilt	20°
Weight	103 kg
Dimensions (packaging)	4,990mm x 350mm x 200mm (LxWxH)
Material	Pre-galvanized steel; hot dipped galvanized steel or zink magnesium, stainless steel
Design loads	max. windload= 0,8 kN/m ² ; max. snowload 2 kN/m ²
Needed space	minimum 4,970mm x 3,801mm (19m ²)

PV-Modules

Type	framed PV-Modules (with frame)
Orientation	Landscape 4 high x 3 wide
Size (Landscape)	Length: max. 1,680 mm, Width: max. 1,001 mm
Fixation	Assembly from below