

duplex field

Data sheet



The open space special solution when pile driving is not possible.

The special solution for special substrate types

duplex field is a special solution for terrain that does not allow pile driving - for example landfills, parking lots, sealed conversion areas or stone deserts. The system has been developed in the wind tunnel and aerodynamically optimized. For maximum stability it is installed in a composite system and optionally ballasted. This makes it suitable even for special applications such as snow load zone 3 or wind load zone 4.

Up to 150% higher yield

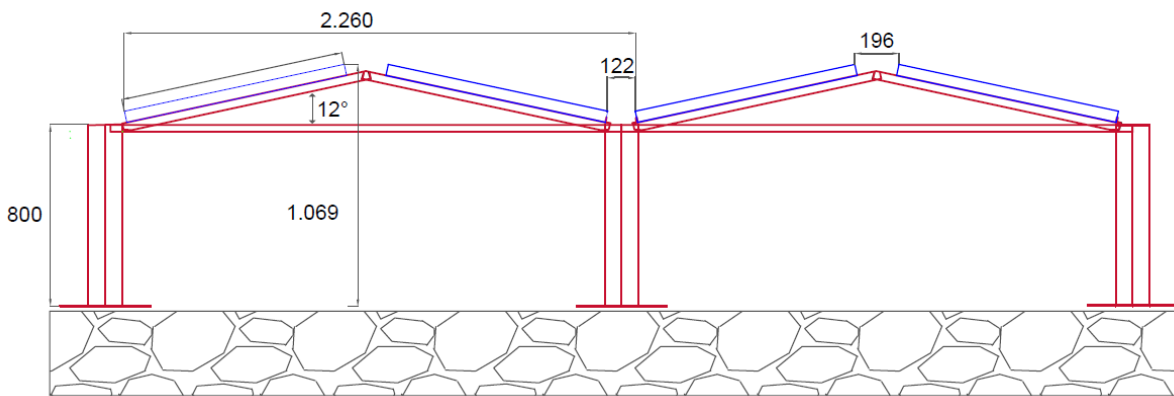
Compared to other systems, duplex field can fit up to 150% more modules on the same surface area, as no shading distance between the module rows is required. Due to its high wind and corrosion resistance, the system can also be used in direct proximity to the sea.

The maximum degree of pre-assembly rounds off the advantages attractively: only one tool is required for installation.

- ✓ Developed in the wind tunnel and aerodynamically optimized
- ✓ Theft protection optionally available
- ✓ maximum degree of pre-assembly, requires only one tool
- ✓ fast assembly saves time and money: no assembly system is installed faster
- ✓ low freight and storage costs thanks to small dimensions: up to 50 kWp with 2.4 m x 1 m packing size
- ✓ UV, wind and corrosion resistant

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Technical drawing



Technical data

Field of application	Open area
alignment	East/West
Subsoil	Soil types that do not allow pile driving - e.g. landfills, parking lots, sealed Conversion areas or stone deserts
inclination	12°
PV-Modules	liegen auf der lie on the short side and are clamped there Seite und werden dort geklemmt
Module alignment	horizontally
Static	Static test according to DIN EN 1991-1-1 (payload) and DIN EN 1991-1-3 (snow load). DIN EN 1991-1-1 to 4 correspond to EUROCODE 1
Proof of windload	Stability tested by wind tunnel test I.f.I. Institute according to DIN EN 1991-1-4 and the resulting substitute load values
Material	Steel S255 G D AZ185 (steel with AluZinc alloy 185 g/m ²), corrosion protection class III according to DIN 55928-8
Fasteners	screws A2, M6 and M8 (DIN 6923, DIN 6921)
Installation time	5 kWp/man hour (duplex field & module)
Product warranty	10 years