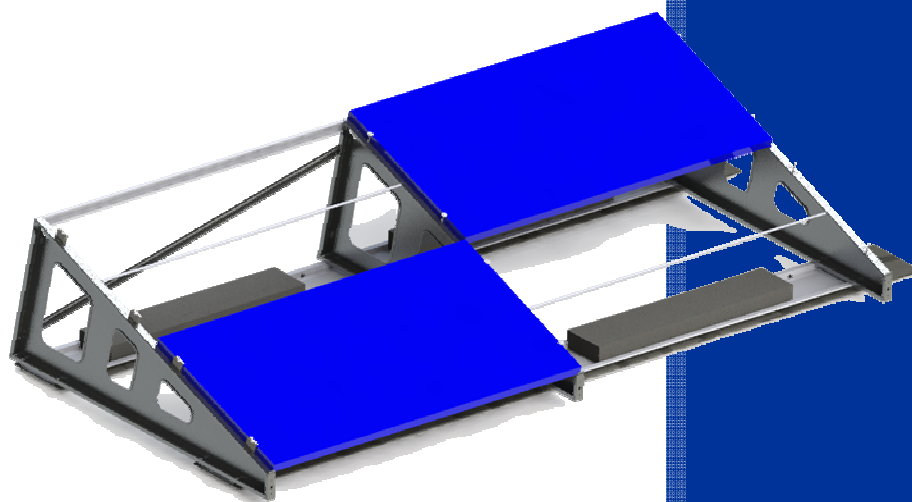




SOE-1200

Technical Datasheet Product Family SOE



- Aluminum of high Quality
- Made in Germany
- 10 Year Warranty
- DIN EN ISO 9001 certified
- VDE GS certified
- Statically tested and approved

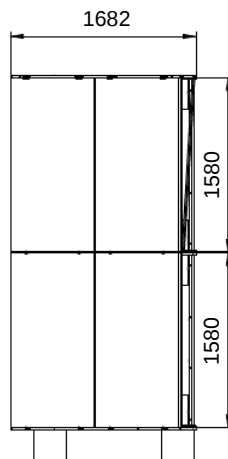
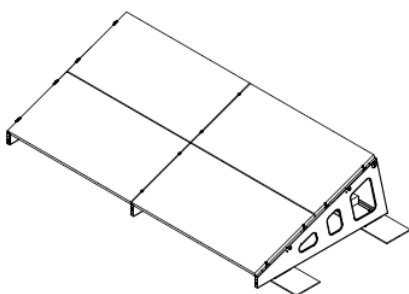
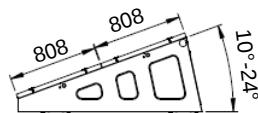
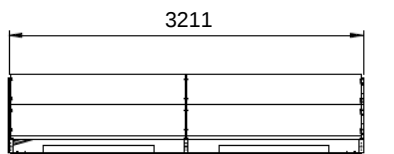
solar@rybu.de
Firma RYBU GmbH
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Technical Datas

Elevation	10°, 16°, 20°, 24°
Tare Weight	6,75 Kg / Module
Required Area	5,2 m² / KWp *
Material	Aluminum
Distance	3250 mm *
Module	All framed Module
Total Load	from 12 Kg / m² *
Module alignment	Horizontal, clamp on the short side of modules
Roof elevation	0°- 8°
Fastening	Ballast System
Building Protection	Polyurethan

*depends on Modultyp, inclination angle, row spacing and the degree of latitude



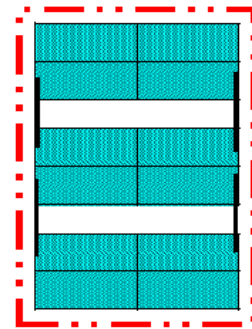
**For further informations
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Advice: The Instructions of the installation Guide must be followed and all corresponding Information observed.

Area load *

Area load
Area = 26 m²
total weight = 295 Kg
= 11,36 Kg/m²
Moduleweight ges. 117 Kg



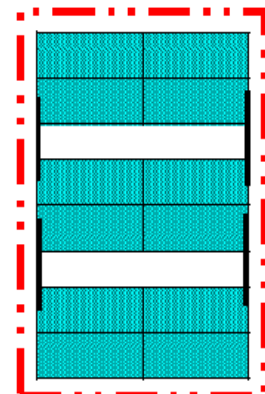
Point loads
Base tray
Module: 1580/808/45 ~16,5 Kg
12 Module + framework
contact of base tray = 20 cm x 158 cm = 3160 cm²
total contact = 865 cm² x 12 trays = 37920 cm²
load / cm² = 295Kg / 37920cm² = 0,007 Kg/cm²
~0,0777 N/cm²

Area & snow load *

The calculation value of snow load is at the minimum 0,5 kN/m²

0,5 kN/m² = 50 Kg/m² = 0,005 Kg/cm²
Area 26 m² = 260000 cm²
1300 Kg more weight

area = 26 m²
295 Kg
load +1300 Kg
61,34 Kg/m²



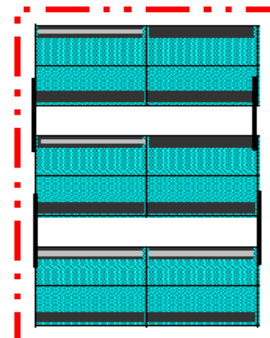
thereof absorbed by the base frame

Module+Framework+Snowload 295 Kg + 762 Kg 1057 Kg
Modulsurface = 1276,64 cm² x 0,005 Kg/m²
12 Module = 762 Kg more weight

Pointload / cm² 1057 Kg / 37920 cm² 0,027 Kg/cm²
0,2787 N/cm²

Loads in the edge area *

Area load
edge area
Area = 26 m²
total weight 332,25 Kg
= 18,7 Kg/m²
Moduleweight ges. 117 Kg
Ballast weight 170 Kg



Point loads
Base tray
contact face 20x158 cm = 3160 cm²
max weight in edge area 54 Kg / base tray
load / cm² = 54 Kg / 3160 cm²
= 0,017 Kg / cm²
~0,1708 N / cm²

concrete block 27 Kg
double block 54 Kg