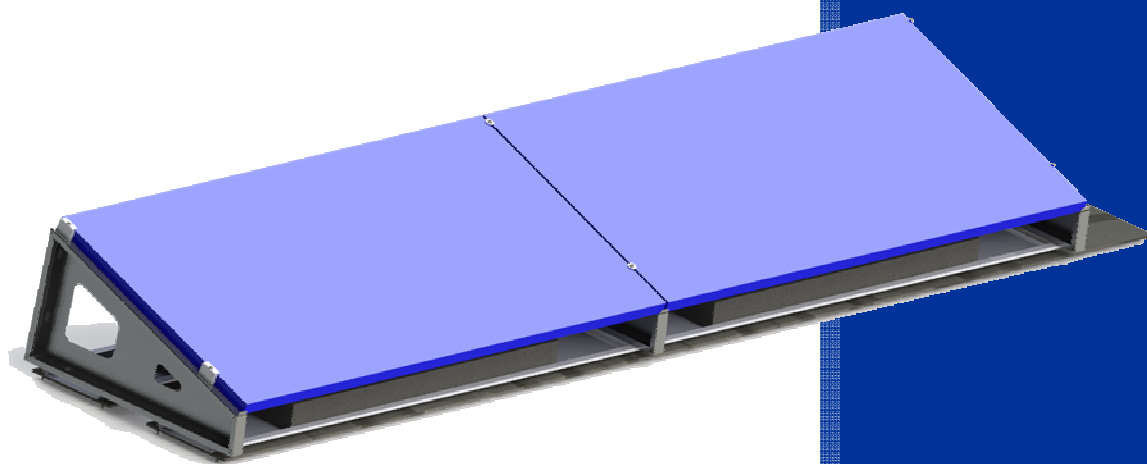




SOE-2100

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

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Firma RYBU GmbH
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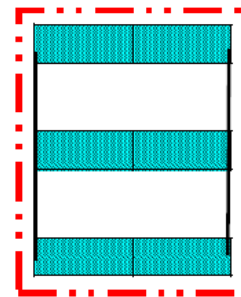
Technical Datas

Elevation	10°, 16°, 20°, 24°
Tare Weight	6 Kg / Module
Required Area	7,75 m² / KWp *
Material	Aluminum
Distance	1700 mm *
Module	All framed Module
Total Load	from 7,8 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

Area load *

Area load
 Area = 13 m²
 total weight = 102,25 Kg
 = 7,8 Kg/m²
 Moduleweight ges. 99 Kg



Point loads
 Base tray
 Modul: 1580/808/45 ~16,5 Kg
 6 Module + Framework
 contact of base tray = 20 cm x 158 cm = 3160 cm²
 total contact = 865 cm² x 12 trays = 37920 cm²
 load / cm² = 221,25Kg / 37920cm² = 0,005 Kg/cm²
 ~0,0530 N/cm²

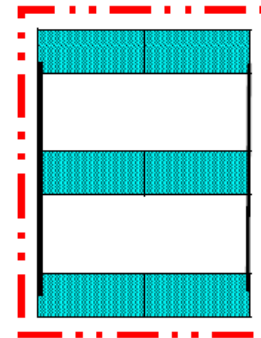
Area & snow load *

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 13 m² = 260000 cm²
 650 Kg more load

area = 13 m²
 201,25 Kg
 load +650 Kg
 65,5 Kg/m²



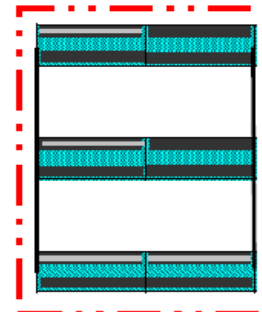
thereof absorbed by the base frame

Module+Framework+Snowload 201,25 Kg + 762 Kg 963,25 Kg
 Modulsurface = 1276,64 cm² x 0,005 Kg/cm²
 6 Module = 762 Kg more load

Pointload / cm² 963,25 Kg / 37920 cm² 0,025 Kg/cm²
 0,2540 N/cm²

Loads in the edge area *

Area load
 edge area
 Area = 13 m²
 total weight 390 Kg
 = 30 Kg/m²
 Moduleweight ges. 99 Kg
 Ballast weight 170 Kg



Point loads
 Base tray
 Auflagefläche 20x158 cm = 3160 cm²
 max weight in edge area 36 Kg / base tray
 load / cm² = 36 Kg / 3160 cm²
 = 0,011 Kg / cm²
 ~0,1139 N / cm²

concrete block 18 Kg
 double block 36 Kg

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