

sunnySol UP

- **Attractive modern design**
- **Controlled and tested quality**
- **Short amortisation times to excellent value for money**
- **10 year function guarantee**
- **European certificate solar key mark**
Registration No: 011-7S026F



Double-walled powder-coated aluminium profile frame, welded mitre joint

Hardened, hail-proof solar glass with high radiation permeability

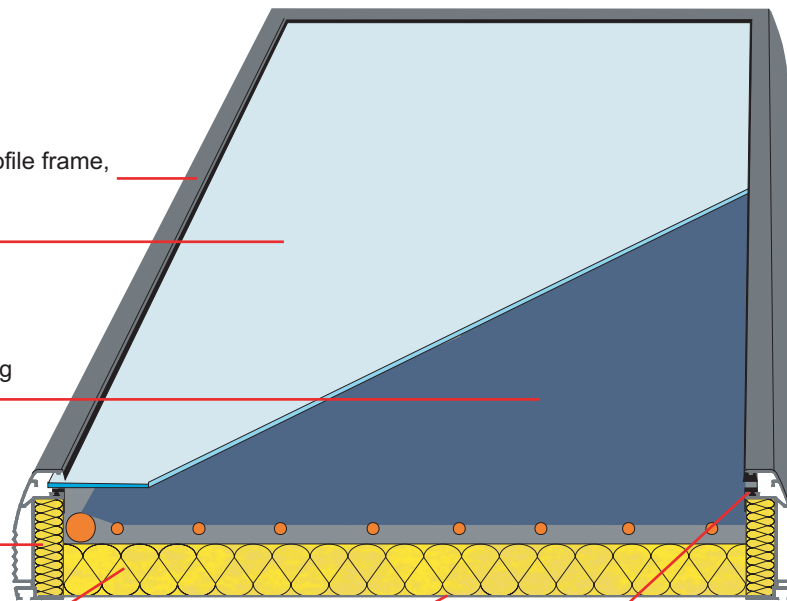
Copper absorber with highly selective coating for most effective use of solar energy

20 mm degassing-free mineral wool side insulation

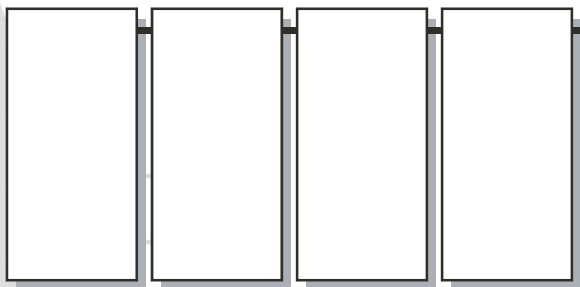
30 mm rear wall insulation for high level of efficiency

Rear wall made of aluminium-stucco sheet

High quality EPDM rubber seals with several sealing levels



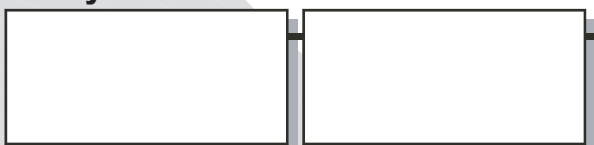
sunnySol-UP V



1070 mm

2200 mm

sunnySol-UP H



2100 mm

4260 mm

Installation dimensions sunnySol-UP V

3 un = 3330 mm
4 un = 4460 mm
5 un = 5590 mm
6 un = 6720 mm
7 un = 7850 mm
8 un = 8980 mm
9 un = 10110 mm
10 un = 11240 mm

Installation dimensions sunnySol-UP H

3 un = 6420 mm
4 un = 8580 mm
5 un = 10740 mm
6 un = 12900 mm
7 un = 15060 mm
8 un = 17220 mm
9 un = 19380 mm
10 un = 21540 mm

sunnySol-UP

Technical specifications:

Dimensions sunnySol-UP V:	2100 x 1070 x 85 mm
Dimensions sunnySol-UP H:	1070 x 2100 x 85 mm
Gross surface:	2,25 m ²
Absorber surface:	2,015 m ²
Aperture surface:	2,015 m ²
Weight without heat carriers:	45 kg
Total panel volume:	1,95 l
Inclination max.:	< 75°
Inclination min.:	> 20°
Operating pressure:	10 bar
Test pressure:	15 bar

Characteristic efficiency values (acc. to EN 12975-2):

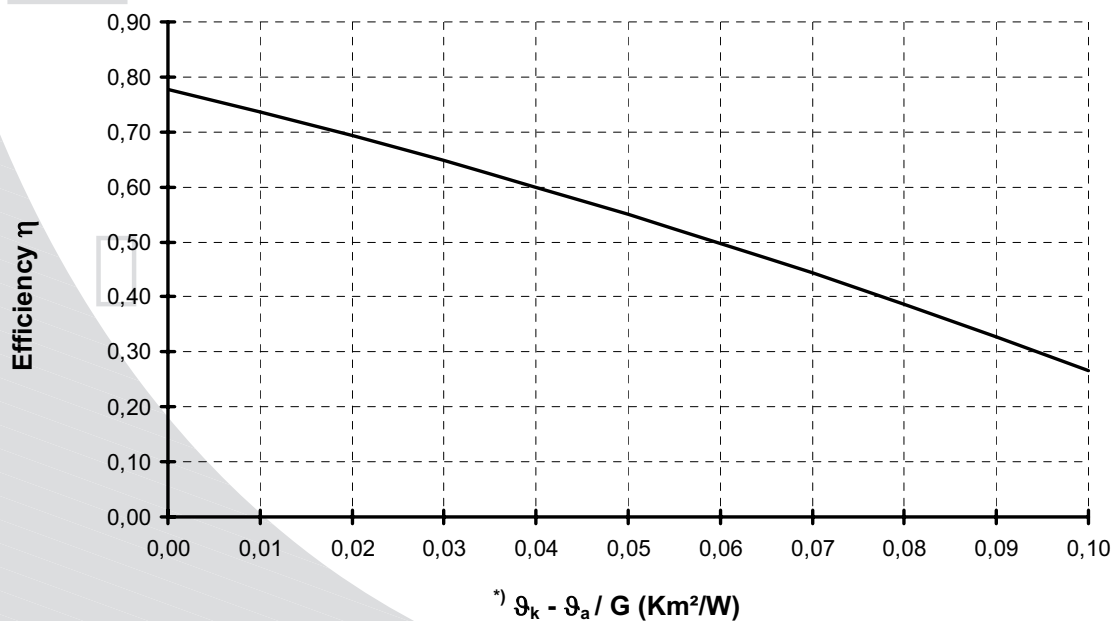
Collector test Nr.	2.04.00334.1.0
Conversion factor η_k	0,778
Conversion factor $\eta_{0,05}$	0,549
Thermal transmittance coefficient simple a1	4,00 W/m ² K
Thermal transmittance coefficient square a2	0,014 W/m ² K ²
Angle factor (IAM 50°)	94

Power output (power in watts per collector):

	400 W/m ²	700 W/m ²	1000 W/m ²
^{*)} $\vartheta_k - \vartheta_a = 10$ K	543	1013	1484
^{*)} $\vartheta_k - \vartheta_a = 30$ K	359	829	1299
^{*)} $\vartheta_k - \vartheta_a = 50$ K	151	622	1092

Efficiency characteristic curve (acc. to EN 12975-2):

Efficiency applied to aperture surface:



^{*)} $\vartheta_k - \vartheta_a$ difference between average collector temperature and the ambient temperature;
G – global irradiance.