

Series SN 40-53 Wp



frameless

CE-conform

ISO9001 certificate

IEC 61730 certificate

IEC 61646-2008 certificate

electrical protections category II

The amorphous Thin-Film Innovation

The SN40Wp to SN53Wp, amorphous solar module series are specifically for the customer, who must calculate cost consciously and yet uses the benefits of this thin-film technology. Features of these modules are their excellent yield during low and high solar radiation and high module temperatures.

The most important features:

- ✓ **High module voltage** during low solar radiation
- ✓ Resource-preserving production process
- ✓ Very little ringer drop in performance during high temperatures (compared to the conventional silicon technology)
- ✓ **Long production and performance warranties** provide a safe investment: 10 years on 90% and 25 years on 80% of the nominal value. **12 years product warranty**
- ✓ Appealing design achieved by the characteristically **homogenous cell surface**
- ✓ Module dimensions 1245 mm x 635 mm x 7,5 mm, **frameless**, making it an excellent building application

Model number and nominal output under standard testing conditions

Nominal values	SN40Wp	SN44Wp	SN53Wp
Nominal output (+/-5%) / P _{mpp} (W)	40	44	53
Voltage at P _{max} / V _{mpp} (V)	46	48	42,5
Electrical power at P _{max} / I _{mpp} (A)	0,87	0,92	1,25
Open circuit voltage / V _{oc} (V)	62	63	58
Short circuit current / I _{sc} (A)	1,11	1,08	1,51
Max. system voltage / V _{sys} (V)	1000	1000	1000

Temperature coefficients

Maximum Output power (W):	-0,22%/°C
Open circuit voltage (V):	-0,33%/°C
Short circuit current (A):	+0,09%/°C

Stable nominal output:

The SN Solartechinics series has a maximum nominal output of 40-53 Wp +5%. These modules are produced with amorphous silicon. The first-class production process provides this series with a long life. Every module leaves the production facilities only after a thorough visual, mechanical, and electrical inspection. The SN-modules initial output is up to 12% over and above the nominal output. During the initial common degradation phase of amorphous PV modules, these modules produce more power in the first months. Only after this phase, the general nominal output of 40-53 Wp +5% is reached.

Qualifications: The SN40Wp - SN53Wp modules comply with the **IEC61646-2008 certificate**, the **electrical protection class II** and the **EU Directive 89/392 (CE conformity)**. **Please check our current warranty terms and conditions!**

Technical specifications are subject to change.

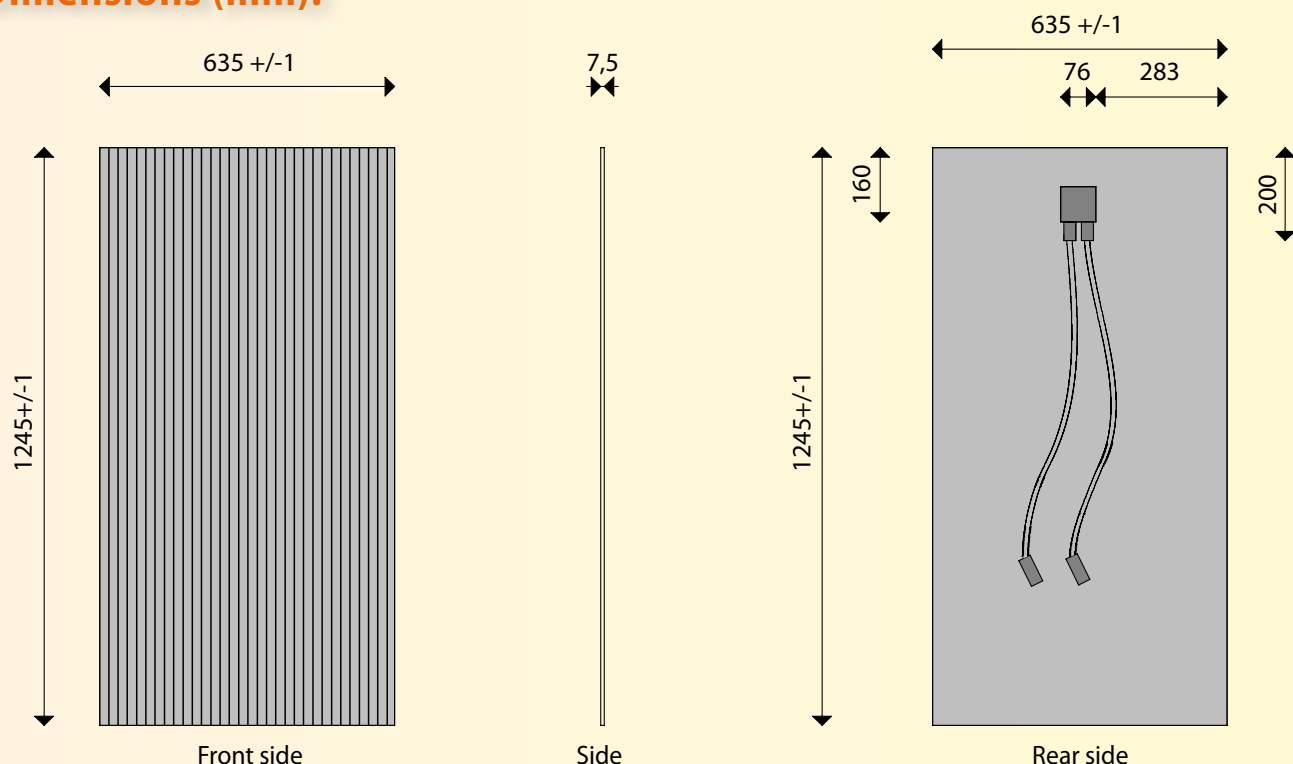


SKII
ISO 9001
IEC 61646 (2008)



technical specifications

Dimensions (mm):

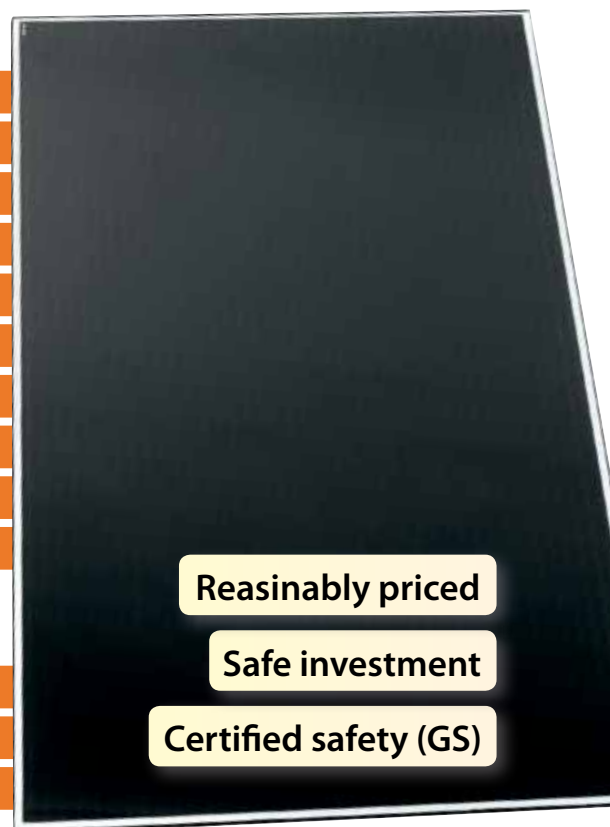


General Information:

Model	SN series, frameless
Size of solar cells (mm)	10 x 1245 rounded
Number of solar cells	61 in series connection
Max. system voltage (V)	1000
Dimension L x W x H (mm)	1245 x 635 x 7,5
Weight (kg)	14,4
Thickness front glass panel (mm)	3,2
Composite material	Ethylene-vinyl-acetate (EVA)
Rear side	Flat glass panel
Connection box	Waterproof, 172 mm x 76 mm

Power rating:

Dependable module temperature	-40 ... +85 °C
Max. hail size at 80 km/h	25 mm
Max. wind speed	130 km/h



Data under standard testing conditions [STC]: irradiance 1000 W/m², air mass 1.5 g and a cell temperature of 25°C.
Technical specifications are subject to change.