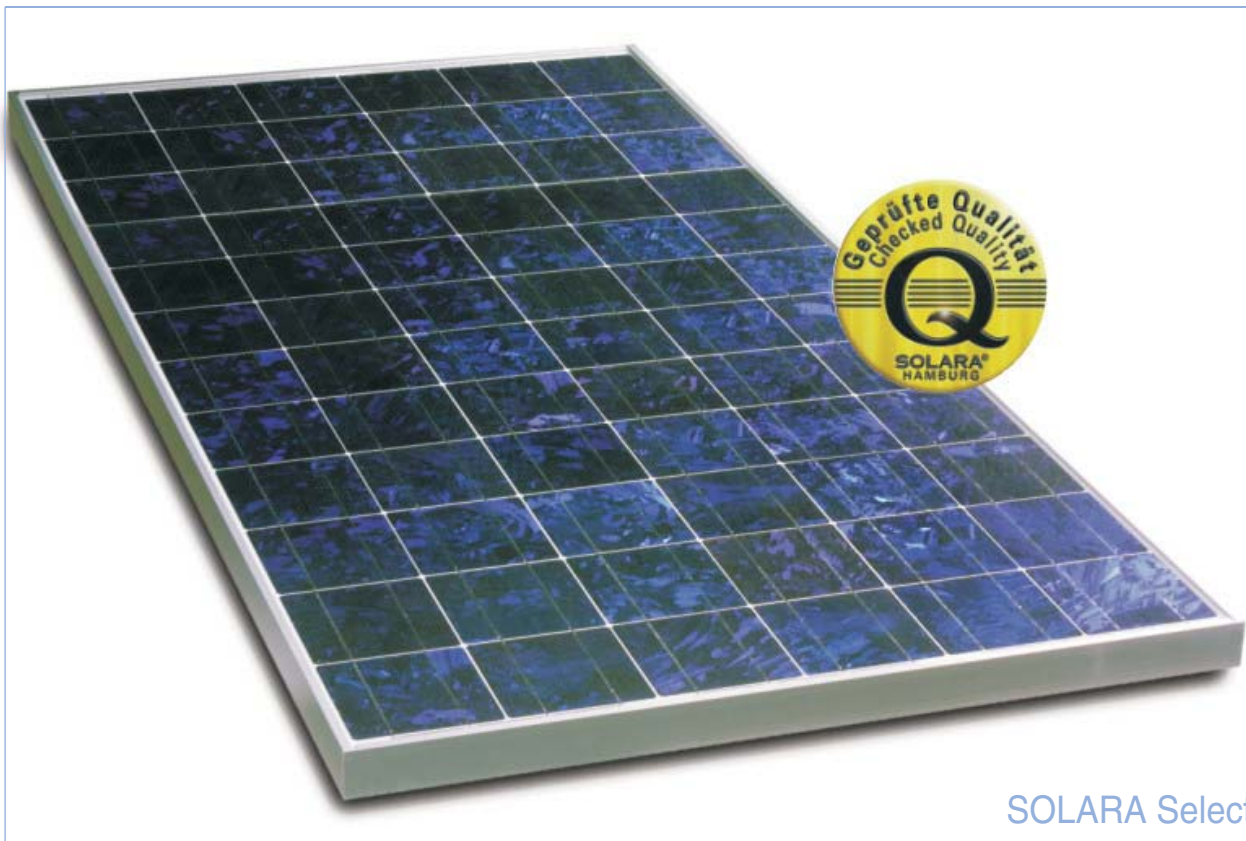


SOLARA S-Class

Top quality - Made in Germany



SOLARA Select S-class

Solar energy from the roof

Our SOLARA® S-Class is developed in our Wismar plant for you and tailored to your needs. You will be getting premium quality, made in Germany, and conserving our resources. You will become an environmentally friendly electricity producer.

It couldn't be simpler

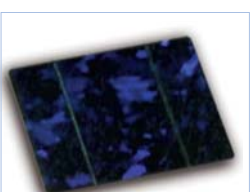
The SOLARA® S-Class consists of 72 high-performance polycrystalline cells. These reliably change the sunlight into electricity, even when it is diffuse, and in sun-starved months of the year. Your solar power expert will mount the system on your roof. It's as easy as that!

Solar energy and nothing but

The SOLARA® S-Class is manufactured to meet the highest standards and resist the most extreme climatic conditions: ice, hail, snow, storms, extreme humidity, strong fluctuation in temperature. Heat and cold cannot harm the SOLARA® S-Class either. It reliably makes optimum use of available energy.

Energy with quality

Your expectation of quality is ours too. That is why every single SOLARA® panel is examined and tested by us. Only after all test criteria have been met does the product receive its indelible serial number. This is how we document our quality claims to you with a 26 year SOLARA® performance guarantee!



SOLARA Select S-Class

Technical data

SOLARA Select S-Class.	S 820 TI	S 830 TI	S 840 TI	S 860 TI
peak power Pmax:	146 Wp	156 Wp	166Wp	170 Wp
voltage at peak power:	35,2 V	35,8 V	36,5 V	37,3 V
open circuit voltage:	42,5 V	42,8 V	43,2 V	43,6 V
current at peak power:	4,15A	4,36 A	4,55 A	4,56 A
short circuit current:	4,56A	4,65 A	4,79 A	4,9 A
Number of cells:	72 Stk.	72 Stk.	72 Stk.	72 Stk.
temperature coefficient (current)	+ 0,05%/K	+ 0,05%/K	+ 0,05%/K	+ 0,05%/K
temperature coefficient (voltage)	- 0,33%/K	- 0,33%/K	- 0,33%/K	- 0,33%/K
temperature coefficient (power)	- 0,50%/K	- 0,50%/K	- 0,50%/K	- 0,50%/K
Filling faktor	71,75%	74,75%	76,0%	77,8%
By-pass-diodes	3 Stk. a 10A	3 Stk. a 10A	3 Stk. a 10A	3 Stk. a 10A
cell dimension:	125x125 mm	125x125 mm	125x125 mm	125x125 mm
Weight:	19,0 kg	19,0 kg	19,0 kg	19,0 kg
dimension:	1610x820x35mm	1610x820x35mm	1610x820x35mm	1610x820x35mm
maximum system voltage:	750 V	750 V	750 V	750 V
strength of glass:	> 3,2mm	> 3,2mm	> 3,2mm	> 3,2mm
Performance guarantee:	26 Jahre	26 Jahre	26 Jahre	26 Jahre

Quality - Made in Germany

Manufactured in the SOLARA solar power factory, Wismar, one of Germany's most experienced photovoltaic producers, with a production history of more than 10 years. Fabrication to the highest quality standards (DIN).

All parts used tested for quality.

Individual measurement of each SOLARA module after fabrication.

Indelible serial number.

EU conformity declaration.

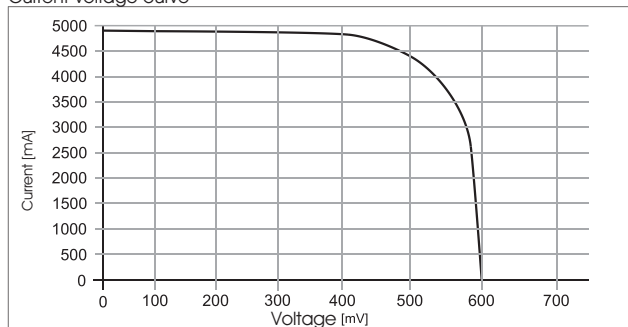
Performance tolerance -3/4%.

System of plugs with special connections and 900mm cables.

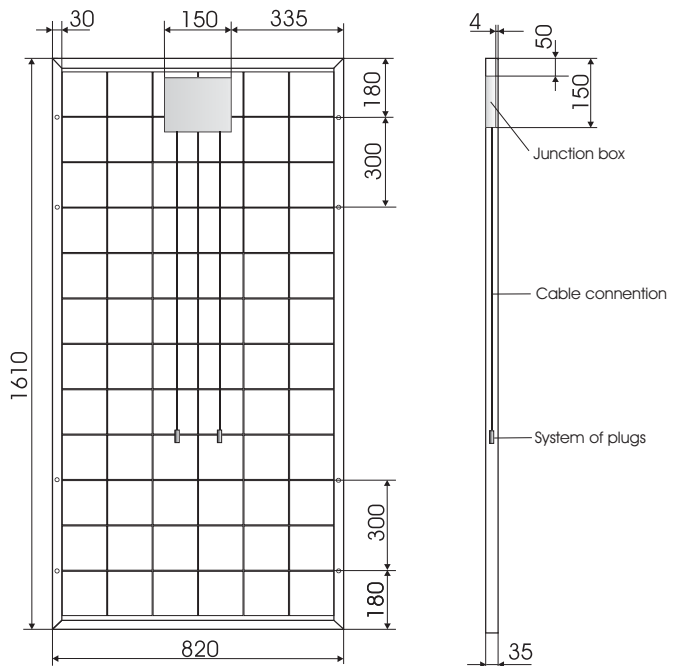
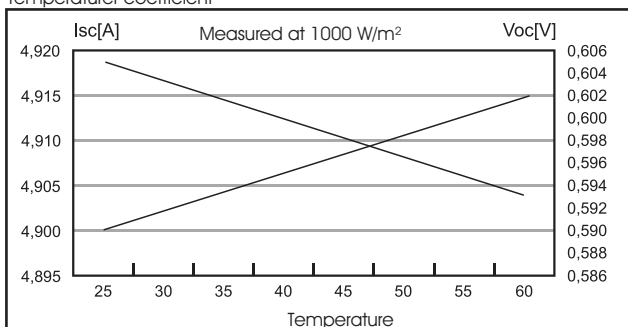
Watertight junction box IP-65 standard.

According to STC (Standard Test Condition) AM 1,5, 1 kW/qm, 25°C, Pmin -3/4%.

Current-voltage curve



Temperaturer coefficient Measured at 1000 W/m²



Object to changes due to permanent development.



ISPRa certificate
For CE/IEC 61215

Safetyclass II

Your special dealer

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