POLYCRYSTALLINE MODULES

- Exclusive use of tested high-performance
- Optimum output even in months with poor hours of sunshine
- Particularly sturdy - max surface pressure loads 5.400 N/m²
- Resists the most extreme climatic conditions (hail, snow load, ice, extreme fluctuations in temperature, etc.)
- First-class design with powder-coated module frames
- Flash data for each module
- Low mismatching due to very low performance tolerance of +/- 3 %
- Easy installation of modules – pre-fabricated connector boxes with plug-in system

GermanSolar
AKTIENGESELLSCHAFT

Polycrystalline modules
GSP6-175 / GSP6-180 / GSP6-185
GSP6-190 / GSP6-195

Premium quality at the highest standards

World-class design

Optimum output

EXPERIENCE QUALITY EXPERTISE

Mechanical specifications

Dimensions:	1636 x 827 mm
Thickness:	40 mm
Weight:	approx. 18 kg
Laminate/ glass:	4 mm ESG extra white, DIN 52337 impact resistant
Colour:	white rear panel
Torsion:	1.2 ° at module level
Surface pressure:	max. 5400 N/m²

Technical specifications

Calculations are based on electrical data of
50 polycrystalline 156 x 156 mm cells.

Type	Nominal output Pmpp	Nominal current Impp	Nominal voltage Umpp	Short circuit current Isc	Open circuit voltage Uoc	Efficiency rating
GSP6-175	175 Wp	7,38 A	23,72 V	8,02 A	30,55 V	12,93 %
GSP6-180	180 Wp	7,43 A	24,24 V	8,04 A	30,99 V	13,30 %
GSP6-185	185 Wp	7,59 A	24,41 V	8,21 A	31,07 V	13,67 %
GSP6-190	190 Wp	7,68 A	24,77 V	8,28 A	31,15 V	14,04 %
GSP6-195	195 Wp	7,82 A	24,95 V	8,35 A	31,22 V	14,40 %

Temp.coeff. P:	-0.4 %/K
Temp.coeff. Is:	+0.075 %/K
Temp.coeff. Uoc:	-0.312 %/K
Bypass diodes:	3x in connector box
Connector box:	certificated box with tension spring brackets
Connector:	0.9 m incl. plug-in system
Threshold values:	Max. system voltage 1.000 V Nominal output differentiation +/- 3% Ambient temperature range -40 bis +80 °C
Protection rating:	2

The process of manufacturing PV generator components is based on glass-foil technology. The high quality of the laminate structure is achieved by using composite film on the back side and sealed edge gaskets to ensure a maximum product life.

Certification

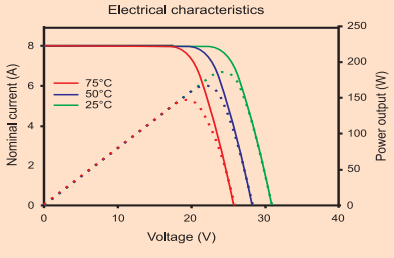
This special laminate is certified according IEC specification No. 61215 and No. 61730. ID: 0000023436 TÜV Rheinland

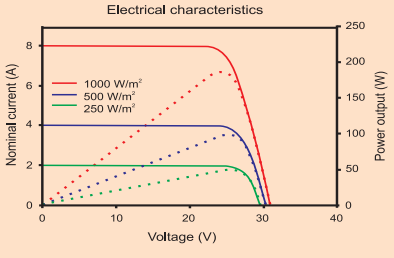
Quality

The production facility is ISO 9001 certified and EMAS II validated. Permanent electrical, optical and mechanical monitoring guarantee constant quality.

Module warranty

· 25-year performance guarantee of max. 20 % loss of power
· 10-year performance guarantee of max. 10 % loss of power
· 5-year product guarantee





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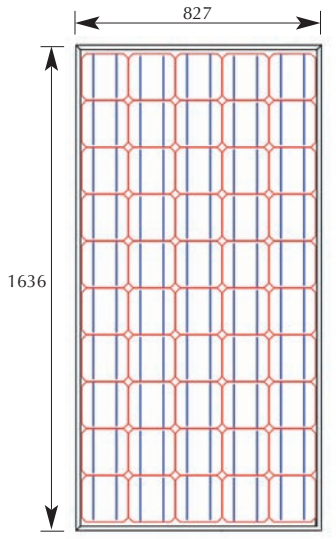

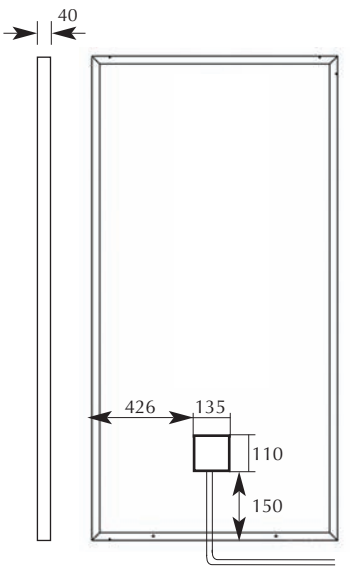

Shipment includes solar power cable connectors (box and plug-in system)
Length: 90 cm

All electrical data are based on vertical solarisation at 1.000 W/m² and a temperature of 25 ºC (normal conditions at AM = 1.5).

TÜV UL IEC CE RoHS ISO9001-2000

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