



SilverLine

Outstanding features of the SilverLine by GermanSolar:

- Flash-Data for every panel
- Positive classification -0/+4,99 Watt
- Individuell testing and surveying, quality assurance by permanent production control incl. EL-test
- Highest stability thanks to aluminium frame made from a double-walled hollow chamber profile
- Three bus bar design guarantees high output power from the solar modules
- Good performance by diffused sunlight
- Passed Ammonia Gas and Salt Mist Corrosion Resistance Test
- High stability,
Load capacity: 5400 Pa (Snowload)

■ Polycrystalline | GSP6-225/230/235/240/245/250-SI60



Mechanical data

- Dimensions 1.650 x 990 mm
- Thickness 50 mm
- Weight ca. 21 kg
- Anodized aluminum
- Surface load 5400 Pa max.

Technical data

The following calculations are based on the electrical data from 60 polycrystalline cells.

Type	GSP6 - 225-Si60	230-Si60	235-Si60	240-Si60	245-Si60	250-Si60
Power rating P _{mpp}	225 Wp	230 Wp	235 Wp	240 Wp	245 Wp	250 Wp
Rated current I _{mpp}	7,70 A	7,87 A	8,00 A	8,05 A	8,28 A	8,33 A
Rated voltage V _{mpp}	29,20 V	29,20 V	29,60 V	29,80 V	29,60 V	30,00 V
Short-circuit current	8,28 A	8,38 A	8,45 A	8,56 A	8,73 A	8,89 A
Open-circuit voltage V _{oc}	36,60 V	36,60 V	37,20 V	37,40 V	37,40 V	37,60 V
Module efficiency	13,80 %	14,10 %	14,40 %	14,70 %	15,10 %	15,30 %

- NOCT +47 °C
- Temp.coeff. P -0,44 %/K
- Temp.coeff. I_s +0,069 %/K
- Temp.coeff. V_{oc} -0,334 %/K
- Bypass diodes 6/3 x in the junction box
- Junction box Certified special box with tension spring clamps
- Connector 0,90 m plug-in system
- Grenzwerte z Maximum Sytem voltage 1.000 V
Classification: -0/+4,99 W
Operating temp.range -40 bis +85 °C
- Protection class 2

The product manufacturing process for solar module components is based on glass - laminate - technology. In this process, the high quality of the laminate structure is achieved thanks to the laminate and the completely sealed edges. This ensures that the panel will have an extremely long life.

Qualification

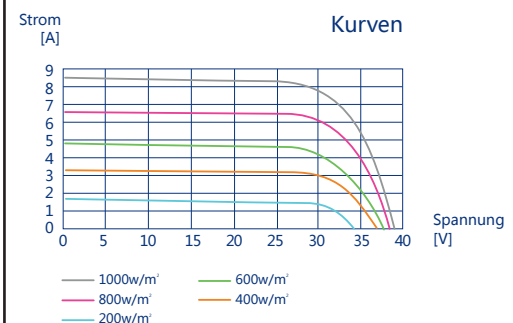
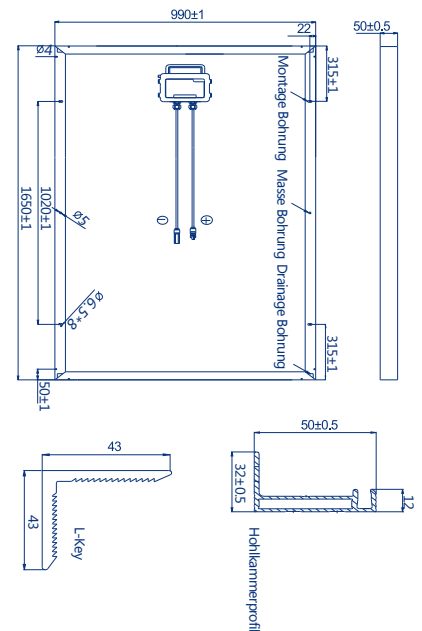
This special laminate is certified in accordance with IEC standards 61215 2nd. Ed. and 61730. ID:0000023436 TÜV Rheinland.

Quality

The production facility is TÜV-, MCS-, IEC-, CE-, FSEC-, CEC-, CSA- and ISO 9001:2000-certified, and validated in accordance with EMAS II. Regular individual inspections ensure that the products' electrical, optical and mechanical properties are always of the highest quality.



All electrical values are based on perpendicular solar irradiation at 1.000 W/m² and a temperature of 25 °C (normal conditions with AM = 1,5).



GermanSolarTM

GermanSolar AG | Am Seegraben 9-10 | D-03051 Cottbus

fon: +49 (0)1805 - 4949430 * | fax: +49 (0)1805 - 4949431 * | info@germansolar.com | www.germansolar.com

*14 ct/min a. d. dt. Festnetz, max. 42 ct./min. a. d. dt. Mobilfunknetzen, AktivCall GmbH