



CUSTOMIZED SOLAR PANEL SERIES

BIPV SOLAR PANELS

GermanSolar BIPV solar panel design brings elegance to your building.

The design can be used in a wide variety of applications, such as facades, rooftops, canopies, parking structures, and balconies. The color and specifications are able to be customized according to your needs.

3 TYPES OF BIPV SPECIFICATIONS

These are available in a variety of colors, dimensions, thicknesses, and shapes to meet any project requirement.



Double Glass Series

Available in partial transparency or opaque options



See-Through PV Glass Series

Semi-transparent range of panels, which enables you to see through them



PV Colorshine (opaque) Series

Replacement for standard color-coated glass



APPLICATION SCENARIO



ELECTRICAL DATA

Color	Gray	Blue	Red	Orange
Illustration				
Light Transmittance(%)	70	60	55	50
Nominal Max. Power (Pmax)* (W)	295	255	230	210
Open Circuit Voltage (Voc) (V)	37.80	37.80	37.80	37.80
Short Circuit Current (Isc) (A)	9.75	8.43	7.61	6.94
Max. Power Voltage (Vmpp) (V)	31.84	31.84	31.84	31.84
Max. Power Current (Impp) (A)	9.27	8.01	7.23	6.60
Module Efficiency (%)	15.10	13.05	11.77	10.75
Power Tolerance (%)	± 3			
Power Temperature Coefficient γ	-0.26 % / °C			
Current Temperature Coefficient α	+0.04 % / °C			
Voltage Temperature Coefficient β	-0.24 % / °C			

*STC: Irradiance 1000 W / m², cell temperature 25 °C, AM = 1.5, Tolerance of Pmax is within + / - 3 %.

NOCT **

Color	Gray	Blue	Red	Orange
Nominal Max. Power (Pmax)* (W)	235	205	185	165
Open Circuit Voltage (Voc) (V)	35.80	35.80	35.80	35.80
Short Circuit Current (Isc) (A)	8.29	7.23	6.53	5.82
Max. Power Voltage (Vmpp) (V)	29.84	29.84	29.84	29.84
Max. Power Current (Impp) (A)	7.88	6.87	6.20	5.53
NMOT (Nominal Module Operating Temperature) (°C)	41 ± 3			

* NOCT: Irradiance at 800 W / m², ambient temperature 20 °C, Wind Speed 1 m / s. AM = 1.5.

MECHANICAL DATA

Dimensions (mm)	1722 x 1134 x 30
Weight (kg)	21.7 (2.0 mm glass) or 19.5 (1.6 mm glass)
Solar Cells (mm)	Mono 182 x 91
Front Glass	2.0 mm glass or 1.6 mm glass
Back Glass	2.0 mm glass or 1.6 mm glass
Junction Box	IP68, 3 diodes
Cables	4 mm ² , 300 mm in length, length can be customized / UV resistant
Connectors	MC4 original / MC4 compatible

OPERATING CONDITIONS

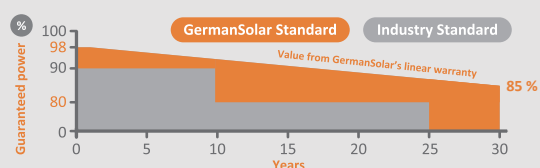
Max. System Voltage (V)	1500
Operating Temperature (°C)	-40 ~ +85
Max. Series Fuse Rating (A)	30
Front Side Maximum Static Loading (Pa)	5400
Rear Side Maximum Static Loading (Pa)	2400

PACKAGING

Modules Per Pallet (pcs)	36
Pallets Per Container (pcs)	26
Module quantity per 40' container (pcs)	936

LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty | 25-Year Performance Warranty



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