

# Glass-Foil-Module: SOLARWATT BLUE 60P



## Made in Dresden

- SOLARWATT solar modules are exclusively produced in Germany.
- 100% protection against PID
- 255 Wp – 265 Wp (100% plus sorting)

## Standard Warranty

- 10 year product warranty
- Linear performance warranty covering 25 years

## Extended warranty by purchasing SOLARWATT Full Coverage insurance

- 12 year product warranty
- All risk insurance

According to the „Special warranty conditions for SOLARWATT solar modules“



\*Test requirements: see rear of data sheet

## SOLARWATT Service



### SOLARWATT Total Protection

optional (up to 1.000 kWp)



### Take-back service

as per Delivery Terms for SOLARWATT Solar Modules



### Country of origin

Quality made in Germany



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Certified acc. to DIN EN ISO 9001 und 14001 | BS OHSAS 18001:2007



### Product-warranty

as per Special Warranty Conditions for SOLARWATT Solar Modules



### Performance-warranty

as per Special Warranty Conditions for SOLARWATT Solar Modules

## Product Quality



long-lasting



innovative



resistant against ammonia



resilient



low-glare



resistant against hail



high-yield



safe



resistant against salt mist

## SOLARWATT Expert Installer

## Technical Data Glass-Foil-Module: SOLARWATT BLUE 60P

Dimensions	
<b>L x B x D</b>	1680 x 990 x 40 mm (+/-2 mm)
<b>Connection technology</b>	Cabels 2 x 1,0 m/4 mm <sup>2</sup> , PV4 - Connector, Plug in arrangement analog MC4
<b>Weight</b>	ca. 19 kg

Electrical Data (STC)			
STC: Standard Test   Conditions: Irradiation intensity 1000 W/m <sup>2</sup> , spectral distribution AM 1.5   temperatur 25±2 °C, in accordance EN 60904-3			
<b>Nominal power P<sub>N</sub></b>	255 Wp	260 Wp	265 Wp
<b>Nominal voltage U<sub>mpp</sub></b>	30,4 V	30,6 V	30,7 V
<b>Nominal current I<sub>mpp</sub></b>	8,39 A	8,50 A	8,63 A
<b>Open circuit voltage U<sub>oc</sub></b>	37,8 V	38,0 V	38,1 V
<b>Short circuit current I<sub>sc</sub></b>	8,77 A	8,86 A	8,99 A
<b>IR*</b>	20 A		
Measurement tolerance in reference to P <sub>max</sub> ±5%; Reduction of module efficiency when irradiance is reduced from 1000 W/m <sup>2</sup> to 200 W/m <sup>2</sup> (at 25 °C): 4 ± 2 % (relative) / -0,6 ± 0,3 % (absolute). * Reverse- current power rating: Operating modules with an external power source is only permissible if using a phase fuse with a tripping current of < 20 A.			

Electrical Data (NOCT)			
NOCT: Normal Operation Cell Temperature: Irradiation intensity 800 W/m <sup>2</sup> , AM 1,5   temperatur 20 °C, Wind speed 1m/s, open circuit operation			
<b>Nominal power P<sub>N</sub></b>	188 W	191 W	195 W
<b>Nominal voltage U<sub>mpp</sub></b>	28,1 V	28,3 V	28,4 V
<b>Nominal circuit voltage U<sub>oc</sub></b>	35,5 V	35,7 V	35,8 V
<b>Short circuit current I<sub>sc</sub></b>	7,10 A	7,18 A	7,28 A

General Data	
<b>Module technology</b>	Glass-foil-laminate; aluminium frame
<b>Covering material Encapsulation Backing material</b>	Tempered solar glass with anti-reflective finish, 3.2 mm EVA-solar cells-EVA, white Multi-layer composite film
<b>Solar cells</b>	60 polycrystalline solar cells
<b>Cell dimensions</b>	156 x 156 mm
<b>Bypass diodes</b>	3
<b>Application class</b>	Application class A (acc. to IEC 61730)
<b>Max. system voltage</b>	1000 V
<b>Mechanical Ratings</b> as per IEC 61215 Ed.	Suction load up to 2,400 Pa Applied load up to 5,400 Pa
<b>Approved stress load</b> as per SOLARWATT Installation Instructions	Applied load up to 3.500 Pa (when installed crosswise <sup>1)</sup> Test condition: sliding load of 5,400 Pa (conditions take into account safety factors for snow overhang and ice load per Eurocode 1.) <sup>1)</sup> Please refer to the specifications in the installation instructions.
<b>Qualifications</b>	IEC 61215 Ed.2   IEC 61730 (including Protection Class II)

Characteristic Lines	
Voltage characteristic line at different temperatures and irradiation	
Performance class 265 Wp SOLARWATT BLUE 60P	

Thermal Features	
	SOLARWATT BLUE 60P
<b>Operating temperature range</b>	-40 ... +85 °C
<b>Ambient temperature range</b>	-40 ... +45 °C
<b>Temperature coefficient P<sub>N</sub></b>	-0,40%/K
<b>Temperature coefficient U<sub>oc</sub></b>	-0,30%/K
<b>Temperature coefficient I<sub>sc</sub></b>	0,04%/K
<b>NOCT</b>	45 °C