SOLARWATT Solar Modules

Glass-Glass-Module: SOLARWATT 60M style



The innovative glass-glass generation

- Super lightweight thanks to glass just 2mm thick
- Exceptionally reliable yield rates
- 100% protection against PID
- Increased fire protection

SOLARWATT 60M style

- Monocristalline solar cells
- 260 Wp 275 Wp (100 % plus sorting)











*Test requirements: see rear of data sheet

SOLARWATT Service



SOLARWATT Total Protection

included (up to 1,000 kWp)



Take-back service

as per Delivery Terms for SOLARWATT Solar Modules



Country of origin

Quality made in Germany

SOLARWATT ® Systemintelligenz

SOLARWATT GmbH | Maria-Reiche-Str. 2a | 01109 Dresden | Germany Tel. +49 351 8895-0 | Fax +49 351 8895-111 | www.solarwatt.de Certified acc. to DIN EN ISO 9001 und 14001 | BS 0HSAS 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

resilient

high-yield



innovative



safe

NH, resistant against ammonia



resistant against hail

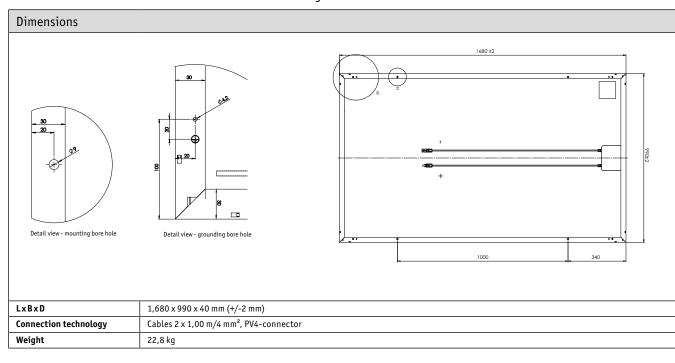


resistant against salt mist

SOLARWATT Expert Installer

SOLARWATT **Solar Modules** System Inverters Services/Qualifications

Technical Data Glass-Glass-Module: SOLARWATT 60M style



Electrical Data (STC) STC: Standard Test Conditions: Irradication intensity 1000W/m², spectral distribution AM 1.5 temperatur 25±2°C, in accordance to EN 60904-3					
	SOLARWATT 60M style				
Nominal power P _N	260 Wp	265 Wp	270 Wp	275 Wp	
Nominal voltage U _{mpp}	31,7 V	31,9 V	32,2 V	32,4 V	
Nominal current I mpp	8,21 A	8,31 A	8,39 A	8,49 A	
Open circuit voltage U _{oc}	38,8 V	39,1 V	39,3 V	39,5 V	
Short circuit current I _{sc}	8,80 A	8,90 A	9,02 A	9,11 A	
IR*	20 A				

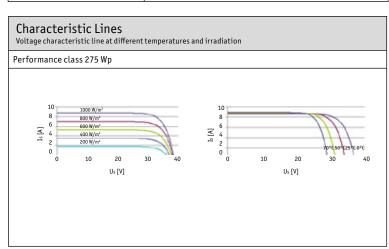
Measurement tolerance in reference to P_{max}±5%;

Reduction of module efficiency when irradiance is reduced from 1000 W/m² to 200 W/m² (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 Temperat	ture: Irradiation intensity 800 W/m², AM	1,5 temperatur 20 °C, Wind speed 1m/s,	open circuit operation	
	SOLARWATT 60M style			
Nominal power P _N	191 W	195 W	199 W	202 W
Nominal voltage U mpp	29,3 V	29,4 V	29,7 V	29,9 V
Nominal circuit voltage U _{oc}	36,4 V	36,6 V	36,8 V	37,0 V
Short circuit current I _{sc}	7,11 A	7,19 A	7,28 A	7,36 A

General Data		
Module technology	Glass- glass laminate, black anodized aluminum frame	
Covering material Encapsulation Backing material	High- transparency solar glass, 2 mm EVA-solar cells-EVA High- transparency solar glass, 2mm	
Solar cells	60 monocrystalline solar cells	
Cell dimensions	156 x 156 mm	
Bypass diodes	3	
Application class	Application class A (acc. to IEC 61730)	
Max. system voltage	1,000 V	
Mechanical Ratings as per IEC 61215 Ed.	Suction load up to 2,400 Pa Applied load up to 5,400 Pa	
Approved stress load as per SOLARWATT Installation Instructions	Applied load up to 3,500 Pa (when installed crosswise ¹⁾) Test condition: sliding load of 5,400 Pa (conditions take into account safety factors for snow overhang and ice load per Eurocode 1.) 1) Please refer to the specifications in the installation instructions.	
Qualifications	IEC 61215 Ed.2 IEC 61730 (including Protection Class II)	



Thermal Features		
	SOLARWATT 60M style	
Operating temperature range	-40 +85 °C	
Ambient temperature range	-40 +45 °C	
Temperature coefficient P _N	-0,40%/K	
Temperature coefficient U _{oc}	-0,32%/K	
Temperature coefficient I_{sc}	0,05%/K	
NOCT	45°C	