**SOLARWATT Solar Modules** 

# Glass-Glass-Module: SOLARWATT **36P**





# The innovative glass-glass generation

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

# SOI ARWATT 36P

- Polycristalline solar cells
- 150 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



### **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



NH, resistant against ammonia

resistant against salt mist



resilient

high-yield



low-glare



resistant against hail



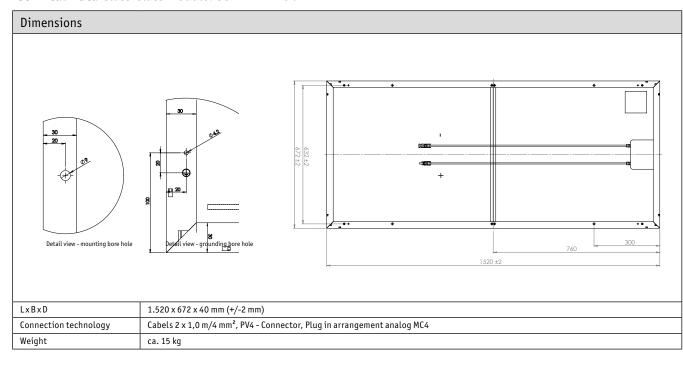
safe



SOLARWATT Expert Installer

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

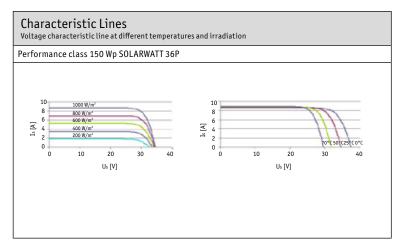
# **Technical Data** Glass-Glass-Module: SOLARWATT 36P



STC: Standard Test   Conditions: Irradication intensity 1000W/m², spectral distribution AM 1.5   temperatur 25±2°C, in accordance EN 60904-3		
	SOLARWATT 36P	
Nominal power P <sub>N</sub>	150 Wp	
Nominal voltage U <sub>mpp</sub>	17,9 V	
Nominal current I mpp	8,39 A	
Open circuit voltage U <sub>oc</sub>	22,4 V	
Short circuit current I <sub>sc</sub>	8,83 A	
IR*	20 A	

Electrical Data (NOCT)  NOCT: Normal Operation Cell Temperature: Irradiation intensity 800 W/m², AM 1,5   temperatur 20 °C, Wind speed 1m/s, open circuit operation		
	SOLARWATT 36P	
Nominal power P <sub>N</sub>	111 W	
Nominal voltage U mpp	16,5 V	
Nominal circuit voltage U <sub>oc</sub>	21,0 V	
Short circuit current I <sub>sc</sub>	7,14 A	

General Data	
Module technology	Glass- glass laminate, aluminum frame
Covering material Encapsulation Backing material	High-transparency solar glass, 2 mm EVA-solar cells-EVA, white Solar glass, 2 mm
Solar cells	36 polycristalline solar cells
Cell dimensions	156 x 156 mm
Bypass diodes	2
Application class	Application class A (acc. to IEC 61730)
Max. system voltage	1000 V
Mechanical Ratings as per IEC 61215 Ed.	Suction load up to 10,000 Pa Applied load up to 18,000 Pa
Approved stress load as per SOLARWATT Installation Instructions	Applied load up to 7,600 Pa (when installed crosswise <sup>1)</sup> )  Test condition: sliding load of 18,000 Pa (conditions take into account safety factors for snow overhang and ice load per Eurocode 1.)  **Please refer to the specifications in the installation instructions.
Qualifications	IEC 61215 Ed.2   IEC 61730 (including Protection Class II)



Thermal Features		
	SOLARWATT 36P	
Operating temperature range	-40 +85 °C	
Ambient temperature range	-40 +45 °C	
Temperature coefficient P <sub>N</sub>	-0,34%/K	
Temperature coefficient U <sub>oc</sub>	-0,30%/K	
Temperature coefficient $\mathbf{I}_{sc}$	0,06%/K	
NOCT	45 °C	