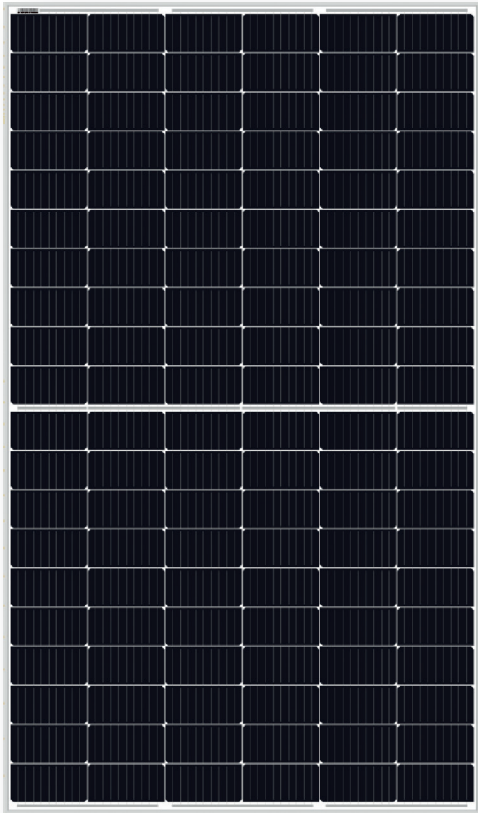


## PRODUCT



# SOLARWATT Panel classic H 1.1 pure

## Glass-Foil-Module

### Best price-performance ratio

With the classic models, Solarwatt offers affordable, robust, high-performance solar modules of proven quality. They are durable and high-yielding as well as resistant to weather effects and environmental influences.

The classic-modules are produced on state-of-the-art production lines and meet the high Solarwatt quality standards. They will therefore generate solar power well beyond their warranty period.

The modules come with a solid 15-year product guarantee.



## PRODUCT QUALITY

- LeTID tested
- salt mist resistant
- ammonia resistant
- PID protected
- 100 % plus-sorting
- max. 6,300 / 3,300 Pa

## SERVICE

**FullCoverage insurance**  
optional (up to 1,000 kWp\*)

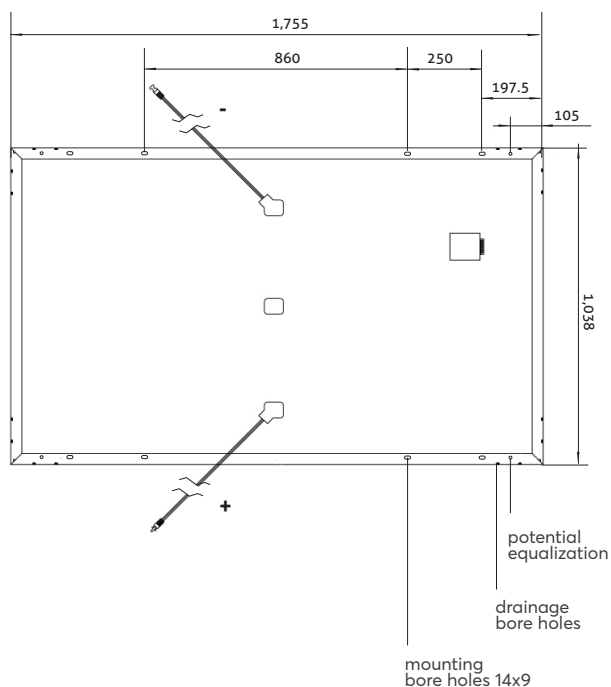
**simple returns policy**  
as per „Delivery terms for Solarwatt solar modules“

**15 year product warranty**  
12 years product warranty outside Europe and Australia  
as per „Warranty conditions for Solarwatt solar modules“

**25 year performance warranty**  
on 84.8 % of nominal power as per „Warranty conditions for Solarwatt solar modules“

\* country-specific deviations apply

## DIMENSIONS



## GENERAL DATA

<b>Module technology</b>	Glass-foil laminate; aluminum frame
<b>Covering material</b>	Tempered solar glass with anti-reflective finish
<b>Encapsulation</b>	Solar cells in polymer encapsulation
<b>Backing material</b>	Multi-layer composite film, white
<b>Solar cells</b>	120 monokristalline PERC-Hochleistungssolarzellen
<b>Cell dimensions</b>	166 x 83 mm
<b>L x W x H / Weight</b>	1,755 <sup>±2</sup> x 1,038 <sup>±2</sup> x 40 <sup>±0.3</sup> mm / ca. 21.3 kg
<b>Connection technology</b>	Cables 2x 1.2 m / 4 mm <sup>2</sup> Stäubli Electrical MC4-connectors
<b>Bypass diodes</b>	3
<b>Max. system voltage</b>	1,000 V
<b>IP rating</b>	IP68
<b>Protection class</b>	II (acc. to IEC 61140)
<b>Fire class</b>	C (acc. to IEC 61730)
<b>Certified mechanical ratings as per IEC 61215</b>	Pressure load up to 3,600 Pa (test load 5,400 Pa) Suction load up to 1,600 Pa (test load 2,400 Pa)
<b>Recommended stress load as per Installation Instructions</b>	Pressure load up to 4,200 Pa (test load 6,300 Pa) Suction load up to 2,200 Pa (test load 3,300 Pa) Please refer to the specifications in the Installation Instructions and Warranty Conditions.
<b>Qualifications</b>	IEC 61215 (incl. LeTID)   IEC 61730   2 PfG 2387 (PID) IEC 61701   IEC 62716   MCS 005

## ELECTRICAL DATA (STC)

STC (Standard Test Conditions): Irradiation intensity 1,000 W/m<sup>2</sup>, spectral distribution AM 1.5 | Temperature 25 ± 2 °C, in accordance to EN 60904-3

<b>Nominal power P<sub>max</sub></b>	375 Wp	380 Wp
<b>Nominal voltage V<sub>mp</sub></b>	34.1 V	34.3 V
<b>Nominal current I<sub>mp</sub></b>	11.0 A	11.1 A
<b>Open circuit voltage V<sub>oc</sub></b>	41.9 V	42.1 V
<b>Short circuit current I<sub>sc</sub></b>	11.4 A	11.5 A
<b>Module efficiency</b>	20.6 %	21.0 %

Measurement tolerances: P<sub>max</sub> ± 5 %; V<sub>oc</sub> ± 10 %; I<sub>sc</sub> ± 10 %, I<sub>mp</sub> ± 10 %

Reverse-current power rating I<sub>r</sub>: 20 A, operating modules with an external power source is only permissible if using a phase fuse with a tripping current of ≤ 20 A.

## ELECTRICAL DATA (NMOT AND WEAK LIGHT)

NMOT (Nominal Module Operating Temperature): Irradiation intensity 800 W/m<sup>2</sup>, spectral distribution AM 1.5, Temperature 20 °C  
Weak light conditions: Irradiation intensity 200 W/m<sup>2</sup>, Temperature 25 °C, Wind speed 1 m/s, load operation

<b>Nominal power P<sub>max @NMOT</sub></b>	279 W	283 W
<b>Nominal power P<sub>max @200 W/m<sup>2</sup></sub></b>	73.0 W	74.0 W

Measurement tolerances: P<sub>max</sub> ± 5 %; V<sub>oc</sub> ± 10 %; I<sub>sc</sub> ± 10 %, I<sub>mp</sub> ± 10 %

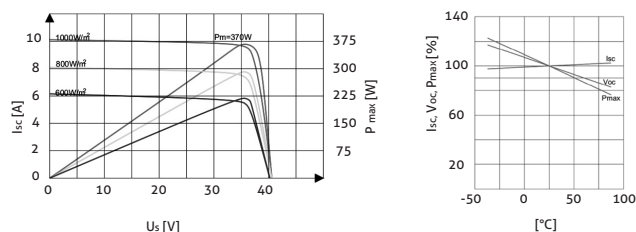
Reduction of module efficiency when irradiance is reduced from 1,000 W/m<sup>2</sup> to 200 W/m<sup>2</sup> (at 25 °C): 4 ± 2 % (relative) / -0.6 ± 0.3 % (absolute).

## THERMAL FEATURES

<b>Operating temperature range</b>	-40 ... +85 °C
<b>Ambient temperature range</b>	-40 ... +45 °C
<b>Temperature coefficient P<sub>max</sub></b>	-0.37 %/K
<b>Temperature coefficient V<sub>oc</sub></b>	-0.27 %/K
<b>Temperature coefficient I<sub>sc</sub></b>	0.04 %/K
<b>NMOT</b>	44 °C

## CHARACTERISTIC LINES (Performance Class 375 Wp)

Voltage characteristic line at different temperatures and irradiances



## TRANSPORT AND PACKAGING

<b>Modules per pallet</b>	27
<b>Pallet dimensions (gross) L x W x H</b>	1,805 x 1,130 x 1,180 mm
<b>Gross weight per pallet</b>	620 kg
<b>Pallets per truck</b>	14 / 28
<b>Modules per truck</b>	378 / 756