



## SOL\_GT MONO

Module with monocrystalline cells,  
silver frame and white backsheet

Since 1996, we have been developing and manufacturing high-grade photovoltaic modules for building integration and conventional uses. The roots of the company go very far back: The company founders came from AEG-Solartechnik, which had already constructed one of the first PV production lines by the 1980s.

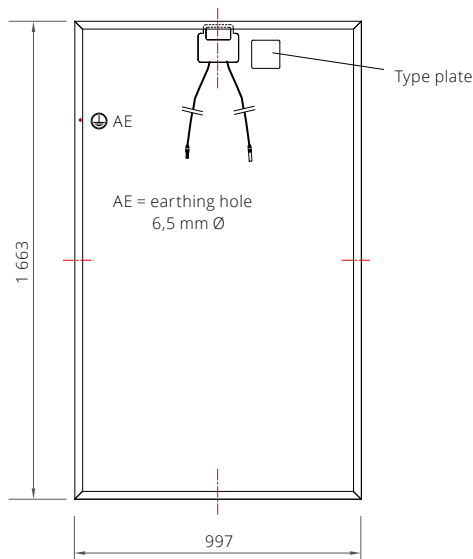
Our decades of experience allow us to achieve high standards in our work and ensure the reliability, performance and a consistent high quality for each individual module.

As a result, our customers reap the benefits, in particular from higher expected yields.

- \* Front glass with special anti-reflection coating
- \* Only positive performance tolerances
- \* High-grade materials and strict quality controls

### TYPES AND ELECTRICAL DATA<sup>1</sup>

| Name            | Isc (A) | Impp (A) | Uoc (V) | Umpp (V) | Pmpp (W)   | Tolerance (W) |
|-----------------|---------|----------|---------|----------|------------|---------------|
| SOL 296 GT MONO | 9,84    | 9,19     | 40,20   | 32,30    | <b>296</b> | 0/+5,99       |
| SOL 302 GT MONO | 10,00   | 9,45     | 39,40   | 32,00    | <b>302</b> | 0/+5,99       |
| SOL 308 GT MONO | 10,08   | 9,60     | 40,00   | 32,10    | <b>308</b> | 0/+5,99       |



## DIMENSIONS AND WEIGHT

Width x height<sup>2</sup>: 997 mm x 1 663 mm  
 Thickness including frame<sup>3</sup>: 39 mm  
 Weight: approx. 19 kg

## STRUCTURE

Front: 3,2 mm toughened white glass with anti-reflection coating  
 Back: white backsheet  
 Cell size: 156 mm x 156 mm  
 Layout: 60 almost-square monocrystalline solar cells  
 Frame: Aluminum, silver anodized  
 Bypass diodes: 3 pcs. (in junction box)

## TEMPERATURE COEFFICIENTS

Output: -0,430 %/K  
 Open circuit voltage: -0,340 %/K  
 Short-circuit current: +0,050 %/K

## CONNECTION

Junction box: IP65 with integrated bypass diodes  
 Cable: 4 mm<sup>2</sup> cross section approx. 1 m in length incl. plug  
 Plug: IP67 in plugged state, lockable

## ELECTRICAL PARAMETERS

NOCT<sup>4</sup>: 44,8 ± 2 °C  
 At lower radiation intensities (200 W/m<sup>2</sup>), 97% of the STC module efficiency is achieved.

## THRESHOLD VALUES

Maximum system voltage: 1 000 V<sub>DC</sub>  
 Reverse current load capacity: 16 A  
 Permissible operating temperature: -40 °C to +90 °C  
 Max. load<sup>5</sup>: 5 400 Pa



Additional information:  
[www.solarnova.de](http://www.solarnova.de)

<sup>1</sup> Typical values under standard test conditions (STC):  
 1 000 W/m<sup>2</sup> irradiation at the module level,  
 Spectrum AM 1,5 and 25 °C cell temperature  
 Power measurement tolerance (Pmax): ±3,5%

<sup>2</sup> Tolerance: ±3 mm

<sup>3</sup> Tolerance: ±1 mm

<sup>4</sup> Normal operating cell temperature (NOCT)

<sup>5</sup> Maximum load in accordance with IEC 61215



Quality management system  
 certified in accordance with ISO  
 9001:2008

The current solarnova warranty conditions apply at the time of installation. Professional assembly in accordance with the applicable installation instructions is required for warranty to apply. Errors and changes expected. © solarnova 06/2017

**solarnova\***

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