



# Allround-Module 60 cells

Glass-foil module for ambitious customers

**Product overview**

**Mono crystalline**

**Poly crystalline**

Max. power P <sub>mp</sub> [Wp]	285    300    305	270    275    280
Dimension L x W x H [mm]	1668 x 994 x 40,5	1668 x 994 x 40,5
Weight [kg]	21	21

**Product advantages**

- Designed and developed without compromises
- Only 4 mm solar glass with AR - Coating
- Extremely solid aluminium frame
- Use of selected European high quality products guarantees high durability
- Quality standard: IEC 61215 and IEC 61730
- Positive performance tolerance up to +3%
- 10 years performance warranty 90%
- 25 years performance warranty 80%
- 10 years product warranty

**Also available with 48 / 72 cells.**

- 100% Full Black**
- black backsheet
- black frame
- black brazing ties
- mono cells



## Electrical Data

### Mono crystalline

### Poly crystalline

		Mono crystalline			Poly crystalline		
		STC	STC	STC	STC	STC	STC
Max. power P <sub>mpp</sub>	[Wp]	285	300	305	270	275	280
Voltage at P <sub>mpp</sub>	[V]	32,18	32,28	32,68	32,51	32,24	32,61
Current at P <sub>mpp</sub>	[A]	8,86	9,18	9,35	8,31	8,53	8,59
Open circuit voltage	[V]	38,46	39,36	38,82	38,46	38,64	38,82
Short circuit current	[A]	9,37	9,65	9,78	8,80	9,08	9,13
Module efficiency	[%]	17,1	18,1	18,45	16,1	16,64	16,94

\*standard testing conditions (STC): 1,000W/m<sup>2</sup> - AM 1.5 - 25 °C // \*\* 800W/m<sup>2</sup> - AM 1.5 - NOCT  
Minor reduction in efficiency under partial load conditions: at 200W/m<sup>2</sup> 95% of the STC efficiency (1,000W/m<sup>2</sup>) is achieved.

## Thermal characteristics / temperature coefficient

### Mono crystalline

### Poly crystalline

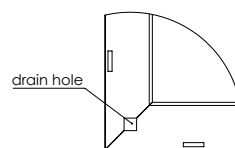
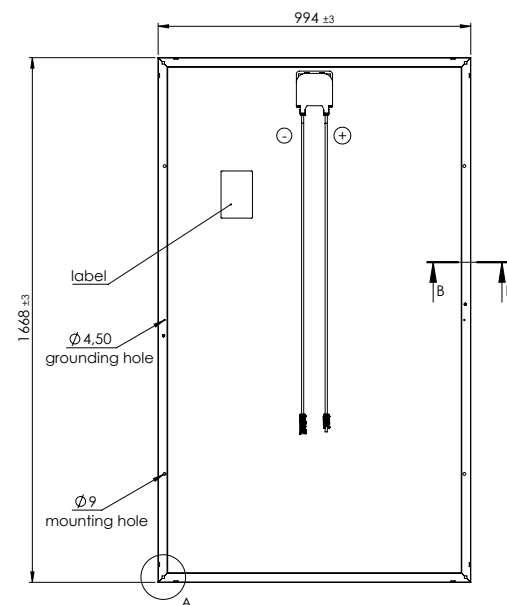
TK P	[%/K]	-0,37	-0,405
TK Voc	[mV/K]	-90,7	-114
TK Isc	[mA/K]	2,85	4,1
NOCT	[°C]	47 ±2	44 ±2

## Additional data

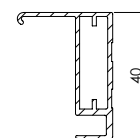
### Mono- & poly crystalline

Plus sorting	-0% to +3%
Mechanical load	5400 Pa
Max. system voltage	1000 V
Safety class	II
Max. reverse current	15 A
Junction box	Tyco
Bypass diodes	3 type Schottky
Protection class junction box	IP 67
Cable length/width	1000 mm / 4 mm <sup>2</sup>
Junction box connection	Tyco PV 4 / MC4 compatible
Operating temperature	-40°C ~ +85°C
Cells	156 x 156 poly / mono
Solar glass	3,9 mm
Frame	Anodized aluminium

Measurement tolerance P<sub>max</sub> ±3%



DETAIL  
A (1 : 2)



SECTION  
B-B (1 : 1)

This datasheet is not legally binding. Actual specifications and/or product features may vary. PVP Photovoltaik reserves the right to make changes to specifications without notice. Caution: Read the safety and installation instructions before using the product. The currently valid warranty/guarantee declaration and the general delivery terms and conditions are part of this datasheet. Further details can be found on our website ([www.pvp.co.at](http://www.pvp.co.at)). This data sheet complies with the requirements of EN50380.