

Allround-Module 60 cells

Glass-foil module for ambitious customers

Product overview

Mono crystalline

Poly crystalline

Max. power P _{mp} [Wp]	300	305	310	270	275	280
Dimension L x W x H [mm]	1668 x 994 x 40,5			1668 x 994 x 40,5		
Weight [kg]	21,5			21,5		

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%
- 12 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

		STC			STC		
Max. power P _{mpp}	[Wp]	300	305	310	270	275	280
Voltage at P _{mpp}	[V]	32,28	32,68	32,91	32,51	32,24	32,61
Current at P _{mpp}	[A]	9,18	9,35	9,42	8,31	8,53	8,59
Open circuit voltage	[V]	39,36	38,82	39,28	38,46	38,64	38,82
Short circuit current	[A]	9,65	9,78	9,85	8,80	9,08	9,13
Module efficiency	[%]	18,1	18,45	18,76	16,1	16,64	16,94

*standard testing conditions (STC): 1,000W/m² - AM 1.5 - 25 °C // ** 800W/m² - AM 1.5 - NOCT
Minor reduction in efficiency under partial load conditions: at 200W/m² 95% of the STC efficiency (1,000W/m²) is achieved.

Thermal characteristics / temperature coefficient

Mono crystalline

Poly crystalline

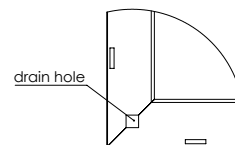
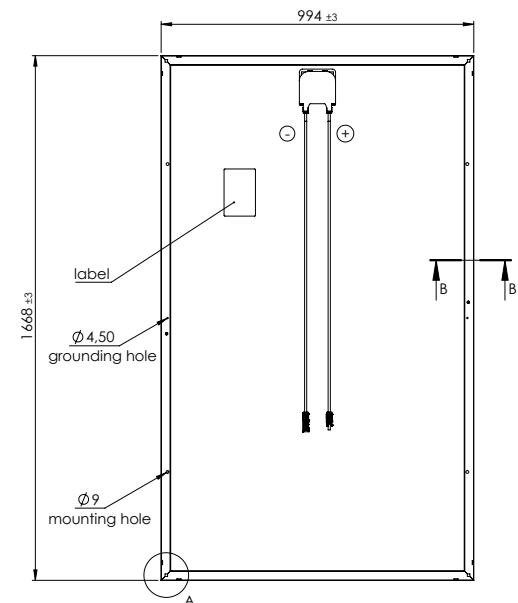
TK P	[%/K]	-0,42	-0,41
TK Voc	[%/K]	-0,32	-0,31
TK Isc	[%/K]	0,047	0,057
NOCT	[°C]	47 ±2	44 ±2

Additional data

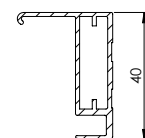
Mono- & poly crystalline

Plus sorting	-0% to +3%
Mechanical load	5400 Pa tested - test setup accord. IEC 61215 : 2005 90° load
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 ²
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_{max} ±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). This data sheet complies with the requirements of EN50380.