

Glass module 60 cells

Even for toughest conditions

Product overview

Mono crystalline

Poly crystalline

Max. power P _{mp} [Wp]	280	285	295	300	260	265	270
Dimension L x W x H incl. frame [mm]	1679 x 992 x 40,5				1679 x 992 x 40,5		
Dimension L x W x H excl. frame [mm]	1700 x 995 x 7				1700 x 995 x 7		
Weight [kg]	21 / 27,5				21 / 27,5		



Product advantages

- Premium alternative to glass-foil modules for roof and ground mounting
- Better cell protection due to neutral zone alignment
- No frame to avoid edge pollution
- Excellent fire resistance because of no back sheet
- High durability thanks to special glass composition
- High resistance against environmental influences
- Snow slides down easy
- Quality standard: IEC 61215 and IEC 61730
- Positive performance tolerance: up to +3%
- 10 years performance warranty 90%
- 25 years performance warranty 80%
- 20 years product warranty with frame**
- 12 years product warranty without frame**

Also available with 48 / 72 cells.

Also available with bifacial cell technology.

Also available with black frame.



PVP-GExxxP/M incl./excl. frame



Electrical Data

Mono crystalline

Poly crystalline

		STC				STC		
Max. power P _{mpp}	[Wp]	280	285	295	300	260	265	270
Voltage at P _{mpp}	[V]	32,31	32,63	33,14	33,09	32,28	32,59	32,64
Current at P _{mpp}	[A]	8,66	8,74	8,90	9,07	8,05	8,13	8,27
Open circuit voltage	[V]	38,64	38,64	39,96	39,69	38,46	38,46	38,46
Short circuit current	[A]	9,15	9,07	9,36	9,46	8,53	8,60	8,80
Module efficiency	[%]	16,9	17,12	17,7	18,01	15,7	16,0	16,2

*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

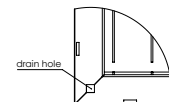
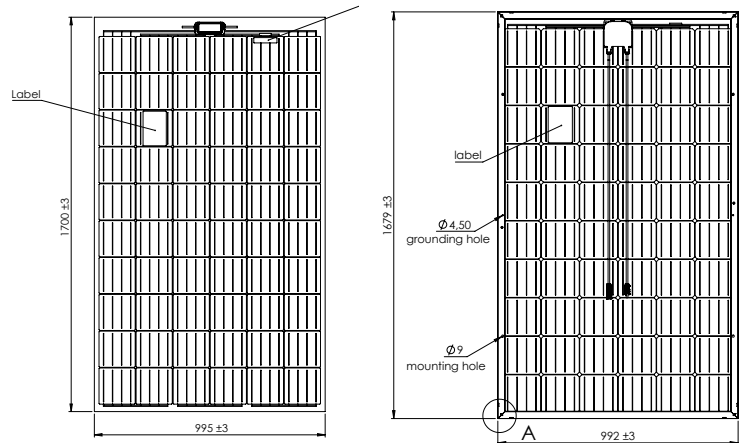
Poly crystalline

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% up 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 ²
Junction box connection	Tyco PV4 / MC4 compatible
Operating temperature	-40°C ~ +85°C
Cells	156 x 156 poly / mono
Solar glass excl. frame	Front: 3 mm / Back: 3 mm
Solar glass incl. frame	Front: 2 mm / Back: 2 mm
Frame	Anodized aluminium



Excl. frame

Incl. frame

Measurement tolerance P_{max} ±3 %

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.