



# PVP-GE-MODULE

## Doubleglassmodule with frame 60 cells, Poly- and Monocrystalline

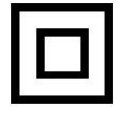


- Alternative solution to glas-foil modules for rooftop and ground mounted systems
- Produced in Austria with modern production equipment
- Improved protection of cells against dynamic loads: neutral zone
- Very low weight by using tempered 2mm thin glass.
- excellent fire resistance class because of no backsheet
- Superior stability in alpine snow and wind loads.
- Extremely durable due to special glass composite system
- Quality standard: IEC 61215 and IEC 61730
- positive power tolerance: up to +3%
- 10 years performance guarantee 90%
- 25 years performance guarantee 80%
- 10 years product warranty

**FOR USE IN  
HARSHEST CONDITIONS**

Overview Doubleglassmodule 60 cells with frame	
Max Power Pmpp [Wp] Mono	250 / 255 / 260
Max Power Pmpp [Wp] Poly	240 / 245 / 250
L x W x H [mm]	1709 x 989 x 40,5
Weight [kg]	22,5

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# PVP-GE<sub>xxx</sub>P/M with frame

## 60 cells, Poly- and Monocrystalline



Electrical data monocrystalline		STC*			800W/m <sup>2</sup> NOCT**		
maximum power (P <sub>mpp</sub> )	[Wp]	250	255	260	181,1	183,9	187,5
voltage at P <sub>mpp</sub> (V <sub>mpp</sub> )	[V]	30,4	30,9	31,5	27,4	27,8	28,0
current at P <sub>mpp</sub> (I <sub>mpp</sub> )	[A]	8,2	8,2	8,3	6,6	6,6	6,7
open circuit voltage (V <sub>oc</sub> )	[V]	38,3	38,4	38,5	34,5	34,6	34,7
short circuit current (I <sub>sc</sub> )	[A]	8,8	8,8	8,9	7,1	7,1	7,2
module efficiency	[%]	14,8	15,1	15,4			

Electrical data polycrystalline		STC*			800W/m <sup>2</sup> NOCT**		
maximum power (P <sub>mpp</sub> )	[Wp]	240	245	250	173,1	176,7	180,3
voltage at P <sub>mpp</sub> (V <sub>mpp</sub> )	[V]	31,0	31,4	31,4	26,0	26,2	26,2
current at P <sub>mpp</sub> (I <sub>mpp</sub> )	[A]	7,7	7,8	8,0	6,7	6,8	6,9
open circuit voltage (V <sub>oc</sub> )	[V]	37,4	37,6	37,9	33,8	34,0	34,2
short circuit current (I <sub>sc</sub> )	[A]	8,3	8,4	8,6	6,2	6,3	6,4
module efficiency	[%]	14,2	14,5	14,8			

\* Standard-test-conditions (STC) 1.000W/m<sup>2</sup>; AM 1,5; 25°C

\*\* 800 W/m<sup>2</sup>; AM 1,5; normal operating cell temperature (NOCT)

Minor reduction in efficiency under partial load conditions: at 200W/m<sup>2</sup> 95% of the STC efficiency (1000W/m<sup>2</sup>) is achieved

### thermal characteristics / temperature coefficient

	TK P	TK Voc	TK I <sub>sc</sub>	NOCT
Mono	-0,42 %/K	-0,32 %/K	0,047 %/K	48°C +/-2°C
Poly	-0,43 %/K	-0,32 %/K	0,049 %/K	48°C +/-2°C

### additional data

Plus sorting	-0% bis +3%
max. mechanical load	8000 N/m <sup>2</sup>
max. system voltage	1000V
safety class	II
max. reverse current	14A
junction box	Huber Suhner
bypass diodes	3 Typ Schottky
protection class junction box	IP67
cable length/cross section	1000mm / 4mm <sup>2</sup>
connectors	Radox Solar/MC4*
operating temperature	-40°C ~ +85°C
cells	60pcs* 156x156 Poly / Mono
frontglass , backglass	2,1mm / 2,1mm
frame	anodized aluminium

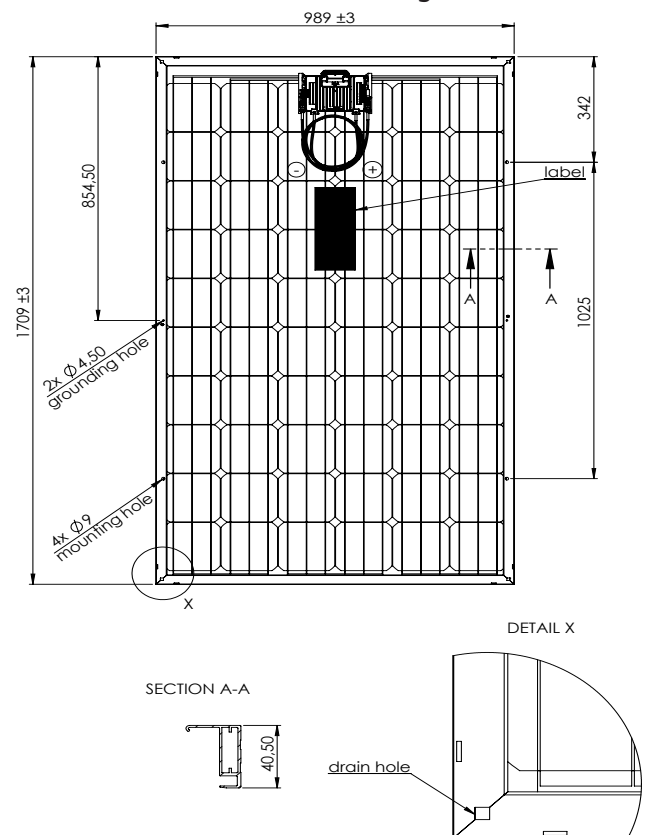
measurement tolerance +/-3%

\* On request also available in 48 and 72 cells and with MC4.

This datasheet is not legally binding. Actual specifications and / or product features may vary. PV Products reserves the right to make specifications changes 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 of the PV Products GmbH are part of this datasheet. Further details can be found on our website.

This data sheet complies with the requirements of EN 50380

### technical drawing



**Q** qualityaustria  
**SYSTEM CERTIFIED**  
 ISO 9001:2008 No.12332/0  
 ISO 14001:2004 No.01799/0  
 BS OHSAS 18001:2007 No.00782/0