



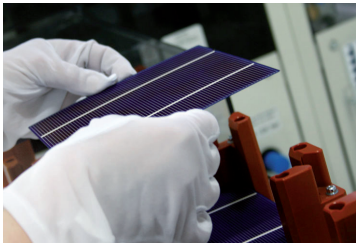
Greenhouse Module 72 Cells

Product overview

Mono crystalline

Poly crystalline

Max. power P _{mpp} [Wp]	to 315	to 300
Dimension L x W x H [mm]	Individual up to max. 2113x1120	Individual up to max. 2113x1120
Weight [kg]	9–12 kg / sqm	9–12 kg / sqm



Product advantages

Unique PVP concept

The module is adapted to the greenhouse - not vice versa

1:1 replacement of existing glasses with customized glass photovoltaic modules

Ideal for greenhouse climate - condensed water can drain without dripping

Different graduations of transparency

Thickness of 4/5mm for direct exchange of greenhouse glasses

No costs for substructure

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

Available with various transparencies through variable cell allocation.

Variable sizes allow implementation in existing glasshouse substructures.

**Available with various types of glass, depending on the application:
structured glasses,...**



Electrical Data

Mono crystalline

Poly crystalline

		STC*	800W/m ² NOCT**	STC*	800W/m ² NOCT**
Max. power P _{mpp}	[Wp]	315	227	300	216
Voltage at P _{mpp}	[V]	36,35	32,66	37,60	33,80
Current at P _{mpp}	[A]	8,67	6,94	7,98	6,38
Open circuit voltage	[V]	46,22	41,83	45,94	41,58
Short circuit current	[A]	9,27	7,42	8,68	6,94
Module efficiency	[%]	13,3		12,7	

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

Thermal characteristics / temperature coefficient

Mono crystalline

Poly crystalline

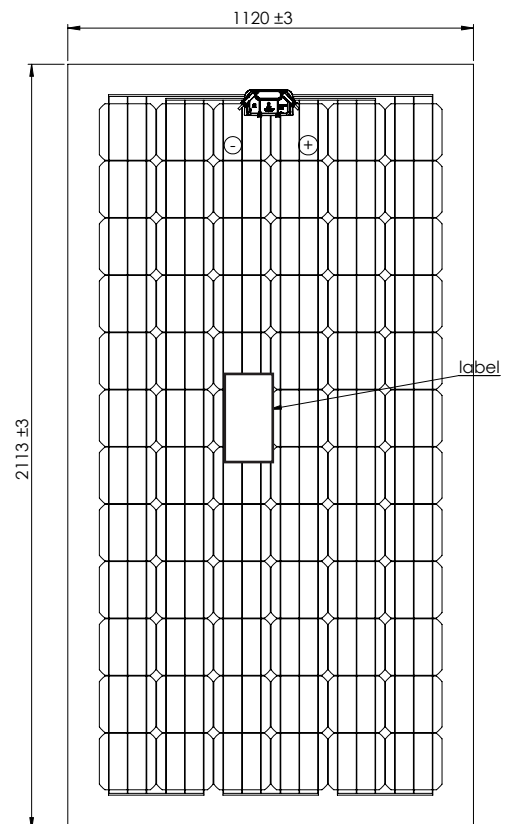
TK P	[%/K]	-0,42	-0,43
TK Voc	[%/K]	-0,32	-0,32
TK Isc	[%/K]	0,047	0,049
NOCT	[°C]	47 ±2	44 ±2

Additional data

Mono- & poly crystalline

Plus sorting	-0% to +3%
Max. mechanical load	2400 N/sqm
Snow load	244 kg/sqm
Max. system voltage	1000 V
Safety class	II
Max. reverse current	15 A
Junction box	Huber Suhner
Bypass diodes	3 Typ Schottky
Protection class junction box	IP 67
Cable length/width	1000 mm / 4 sqm
Junction box connection	Radox Solar / MC4*
Operating temperature	-40 °C ~ +85 °C
Cells	156 x 156 poly / mono
Solar glass	2 x 1,6 mm od. 2 x 2,1 mm
Frame	Anodized aluminium

Measurement tolerance P_{max} ±3% *also available with original MC4 connection



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.