Photovoltaics with design

PVP Photovoltaik

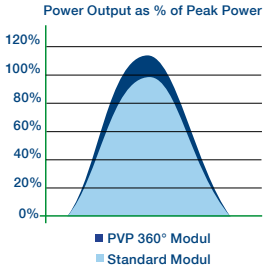
360° Glass-Module
60 cells bifacial

Up to 30% additional yield thanks to 360° light irradiation

Product overview	360° Glass-Module
Max. power Pmpp front / total [Wp]	280 / 360
Dimension L x W x H incl. frame [mm]	1679 x 992 x 40,5
Dimension L x W x H excl. frame [mm]	1700 x 995 x 7
Weight [kg]	21 / 27,5

360° GLASS-MODULE up to 30% additional yield

PVP's 360° glass module catches the sun light on the front and on the back side of the module. The higher light efficiency increases the yield significantly. Thanks to the active module back side the 360° glass module can reach up to 360 Wp overall performance (e.g. 280 Wp only front / 330-360 Wp thanks to 360° light irradiation).



+10-20% additional yield with low reflecting surfaces (e.g. tiled roof, glass)

+20-30% additional yield with better reflecting surfaces (e.g. flat roof with grey foil, sand)

+30-35% additional yield with high reflecting surfaces (e.g. snow)

Perfectly suitable for greenhouses, industrial roofs, open landscapes,...

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PVP 360° Glass-Module

Electrical Data

		STC	Irradiation back side (depending on subsurface)			800W/m² NOCT**
		only front	+20%	+ 25%	**+30%**	only front
Max. power Pmpp	[Wp]	280	335	347	**360**	204
Voltage at Pmpp	[V]	32,52	32,98	32,99	**33,10**	29,30
Current at Pmpp	[A]	8,61	10,16	10,52	**10,88**	6,96
Open circuit voltage	[V]	39,18	39,25	39,32	**39,39**	35,90
Short circuit current	[A]	9,20	10,85	11,23	**11,62**	7,44
Module efficiency	[%]	16,9%				

*standard testing conditions (STC): 1,000 W/m² - AM 1.5 - 25 °C // ** 800 W/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.

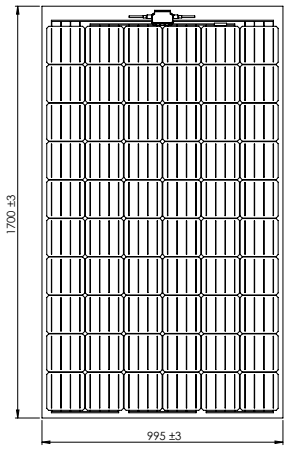
360° GLASS-MODULE up to 30% additional yield

Advantages 360° Glass-Module

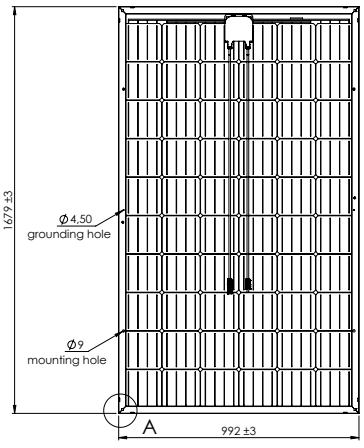
- up to 360 Wp overall power thanks to active module back side
- Use of PID-resistent module components
- LID-effect nearly 0%
- Use of 60 high-efficiency bifacial-cells
- extremely solid thanks to laminated safety glass

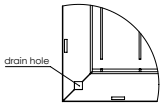
Thermal characteristics / temperature coefficient		**Mono crystalline**
TK P	[%/K]	-0,40
TK Voc	[%/K]	-0,32
TK Isc	[%/K]	0,047
NOCT	[°C]	43 ±2

Additional data	**Mono crystalline**
Plus sorting	-0% up to +3%
Max. mechanical load	5400 N/m²
Snow load	550 kg/m²
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 mm²
Junction box connection	Tyco PV4 / MC4 compatible
Operating temperature	–40°C ~ +85°C
Cells	156 x 156 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 Pmax ±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.

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