

Lightweight Flexible Photovoltaic Module Project Series

APPLICATIONS

building integrated and building applied PV (rooftop, facade)
Outdoor & mobile applications

100 Wp – 335 Wp POWER RANGE
Positive power tolerance 0/+5W

HIGH RELIABILITY

IEC 61730
IEC 61215
IEC 62804-1
IEC 61701 Salt mist corrosion test
IEC 62716 Ammonia corrosion test
EN 13501-5 B_{ROOF}(t1) „Flying sparks test“

WARRANTY

10-year product warranty
25-year linear performance warranty

For building integrated and building applied installations



Ultra-lightweight

Weight as low as 2.5 kg per square meter.



Patented design

A patented design ensures that the modules are only 2 mm thick.



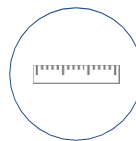
Flexibility

Their flexibility ensures that the modules conform to the corresponding substructure.



Easily mounted with a number of assembly options

The modules can be glued, screwed, riveted, or mounted onto the substructure using existing eyelets.



Customer-specific and project-specific solutions

Model size, shape, and color are customizable.



High energy yield

Light-trapping effect generated by the lenticular surface.

TECHNICAL DATA	
Product	12x6 poly / mono
Number of cells	72
Dimensions "front junction box" (L x W x T)	2024 x 991 x 2 mm
Dimensions "rear junction box" (L x W x T)	1975 x 991 x 2 mm
Weight	6.7 kg
Solar cells	4BB polycrystalline solar cells (optional monocrystalline)
Maximum system voltage	1000 V
Maximum over current protection	20 A
Front sheet	Soil-resistant ETFE-Film
Encapsulation	Patented fibreglass-reinforced plastic, EVA
Back sheet	High resistant PET
Junction box	TÜV-certified (IP 67) with 3 bypass-diodes
Cables	2 x 4 mm ² , 900 mm
Connector	PV4S

ELECTRIC CHARACTERISTICS							
Name	Type	Cells	Power (Wp)	Isc (A)	Voc (V)	Imp (A)	Vmp (V)
12x6	poly	72	300	8.41	45.08	8.02	37.40
12x6	mono	72	330	9.11	46.43	8.74	39.02

THERMAL CHARACTERISTICS	
Operating temperature range	-40 to 85°C
Temperature coefficient Pmpp	-0.393 %/°C
Temperature coefficient Voc	-0.310 %/°C
Temperature coefficient Isc	0.051 %/°C



Scientific Partners and Associations

