

Lightweight Flexible Photovoltaic Module Special Application Series

APPLICATIONS

Mobile applications, special solutions
building integrated and building applied PV

25 Wp – 300 Wp POWER RANGE

Tolerances

> 250 Wp: positive power tolerance -0/+5 W

100 – 250 Wp: -3.5/+3.5 W

< 100 Wp: -2.5/+2.5 W

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

5-year product warranty

10-year linear performance warranty

For special applications, outdoor and mobile applications

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.



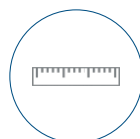
Flexibility

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	
Solar cells	4BB polycrystalline solar cells (optional monocrystalline)
Maximum system voltage	1000 V
Maximum over current protection	20 A
Isc	8.41 A
Imp	8.02 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

		POLY						MONO						
Module length	*2024/ 1975 mm	12	50 Wp 7.51 Voc 6.23 Vmp	100 Wp 15.03 Voc 12.47 Vmp	150 Wp 22.54 Voc 18.70 Vmp	200 Wp 30.06 Voc 24.94 Vmp	250 Wp 37.57 Voc 31.17 Vmp	300 Wp 45.08 Voc 37.40 Vmp	56 Wp 7.74 Voc 6.50 Vmp	112 Wp 15.48 Voc 13.01 Vmp	168 Wp 23.21 Voc 19.51 Vmp	224 Wp 30.95 Voc 26.01 Vmp	280 Wp 38.69 Voc 32.52 Vmp	335 Wp 46.43 Voc 39.02 Vmp
	*1868/ 1819 mm	11	45 Wp 6.89 Voc 5.71 Vmp	91.7 Wp 13.78 Voc 11.43 Vmp	137.5 Wp 20.66 Voc 17.14 Vmp	183.3 Wp 27.55 Voc 22.86 Vmp	229.2 Wp 34.44 Voc 28.57 Vmp	275 Wp 41.33 Voc 34.29 Vmp	51.3 Wp 7.09 Voc 5.96 Vmp	102.7 Wp 14.19 Voc 11.92 Vmp	154 Wp 21.28 Voc 17.88 Vmp	205.3 Wp 28.37 Voc 23.85 Vmp	256.7 Wp 35.47 Voc 29.81 Vmp	308 Wp 42.56 Voc 35.77 Vmp
	*1706/ 1657 mm	10	41.7 Wp 6.26 Voc 5.20 Vmp	83.3 Wp 12.52 Voc 10.39 Vmp	125 Wp 18.79 Voc 15.59 Vmp	166.7 Wp 25.05 Voc 20.78 Vmp	208.3 Wp 31.31 Voc 25.98 Vmp	250 Wp 37.57 Voc 31.17 Vmp	46.7 Wp 6.45 Voc 5.42 Vmp	93.3 Wp 12.90 Voc 10.84 Vmp	140 Wp 19.35 Voc 16.26 Vmp	186.7 Wp 25.79 Voc 21.68 Vmp	233.3 Wp 32.24 Voc 27.10 Vmp	280 Wp 38.69 Voc 32.52 Vmp
	*1549/ 1500 mm	9	37.5 Wp 5.64 Voc 4.68 Vmp	75 Wp 11.27 Voc 9.35 Vmp	112.5 Wp 16.91 Voc 14.03 Vmp	150 Wp 22.54 Voc 18.70 Vmp	187.5 Wp 28.18 Voc 23.38 Vmp	225 Wp 33.81 Voc 28.05 Vmp	42 Wp 5.80 Voc 4.88 Vmp	84 Wp 11.61 Voc 9.75 Vmp	126 Wp 17.41 Voc 14.63 Vmp	168 Wp 23.21 Voc 19.51 Vmp	210 Wp 29.02 Voc 24.39 Vmp	252 Wp 34.82 Voc 29.26 Vmp
	*1389/ 1340 mm	8	33.3 Wp 5.01 Voc 4.16 Vmp	66.7 Wp 10.02 Voc 8.31 Vmp	100 Wp 15.03 Voc 12.47 Vmp	133.3 Wp 20.04 Voc 16.62 Vmp	166.7 Wp 25.05 Voc 20.78 Vmp	200 Wp 30.06 Voc 24.94 Vmp	37.3 Wp 5.16 Voc 4.34 Vmp	74.7 Wp 10.32 Voc 8.67 Vmp	112 Wp 15.48 Voc 13.01 Vmp	149.3 Wp 20.63 Voc 17.34 Vmp	186.7 Wp 25.79 Voc 21.68 Vmp	224 Wp 30.95 Voc 26.01 Vmp
	*1230/ 1181 mm	7	29.2 Wp 4.38 Voc 3.64 Vmp	58.3 Wp 8.77 Voc 7.27 Vmp	87.5 Wp 13.15 Voc 10.91 Vmp	116.7 Wp 17.53 Voc 14.55 Vmp	145.8 Wp 21.92 Voc 18.18 Vmp	175 Wp 26.30 Voc 21.82 Vmp	32.7 Wp 4.51 Voc 3.79 Vmp	65.3 Wp 9.03 Voc 7.59 Vmp	98 Wp 13.54 Voc 11.38 Vmp	130.7 Wp 18.06 Voc 15.17 Vmp	163.3 Wp 22.57 Voc 18.97 Vmp	196 Wp 27.08 Voc 22.76 Vmp
	*1070/ 1021 mm	6	25 Wp 3.76 Voc 3.12 Vmp	50 Wp 7.51 Voc 6.23 Vmp	75 Wp 11.27 Voc 9.35 Vmp	100 Wp 15.03 Voc 12.47 Vmp	125 Wp 18.79 Voc 15.59 Vmp	150 Wp 22.54 Voc 18.70 Vmp	28 Wp 3.87 Voc 3.25 Vmp	56 Wp 7.74 Voc 6.50 Vmp	84 Wp 11.61 Voc 9.75 Vmp	112 Wp 15.48 Voc 13.01 Vmp	140 Wp 19.35 Voc 16.26 Vmp	168 Wp 23.21 Voc 19.51 Vmp
	Number of cells			1	2	3	4	5	6	1	2	3	4	5
			204 mm	354 mm	523 mm	673 mm	842 mm	991 mm	204 mm	354 mm	523 mm	673 mm	842 mm	991 mm
		Module width												

* Dimensions front junction box (length)/rear junction box (length)

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

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