

THE UNIVERSAL MODULE



ULTRA-LIGHTWEIGHT
Only 3.3 kg/m²



HIGH-EFFICIENCY SILICON CELL
Monocrystalline cells
No thin film!



UNIQUE "LOW DEGRADATION" WARRANTY
Minimum 85 % yield after 40 years



**PATENTED MULTI-LAYER
CELL ENCAPSULATION**
Maximal microcrack protection
Increased longevity



ETFE FRONT SHEET
Soil-repellent (high self-cleaning effect)
UV & salt resistant
Optimal heat dissipation



HIGH YIELD IN ANY POSITION
Multi-directional lens structure



BENDABLE
Smallest bending diameter (2 m)



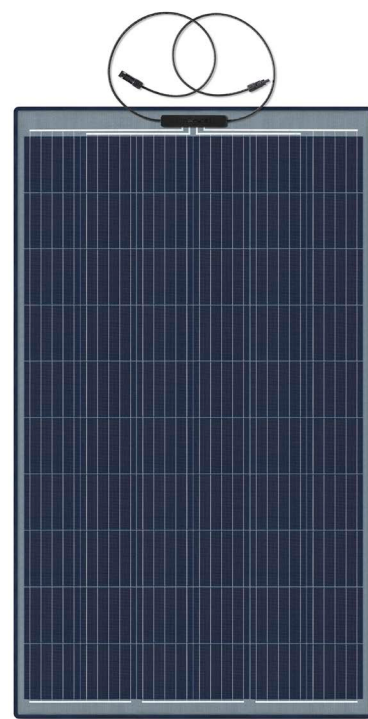
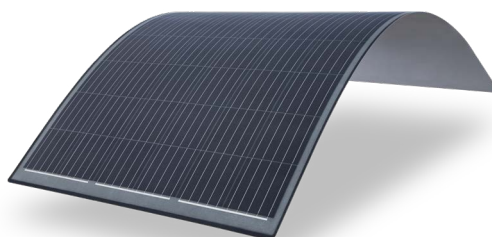
EASY TO INSTALL
Simple but strong adhesive bonding
No metal subsystem required
No ballast required



TAILOR-MADE OPTIONS AVAILABLE
Sizing to your requirement
Transparent back sheet



EXTREME WEATHER CONDITIONS
Even in heat, sandstorms and dusty
conditions, the module provides stable
and durable performance



TEMPERATUREEIGENSCHAFTEN

Betriebstemperaturbereich	-40°C to +85°C
Temperaturkoeffizient von P _{mpp}	-0.38 % / °C
Temperaturkoeffizient von V _{oc}	-0.36 % / °C
Temperaturkoeffizient von I _{sc}	+0.07 % / °C

TECHNISCHE DATEN

Solarzellen	5BB monocrystalline solar cells
Maximale Systemspannung	1000 V
Rückstrombelastbarkeit	20 A
I _{sc}	9.28 A
I _{mp}	8.86 A
Gewicht	3.3 kg/m ²
Vorderseite	Schmutzabweisende ETFE
Zelleinbettung	Patentierter glasfaserverstärkter Kunststoff
Rückseite	Hochbeständiges PET
Anschlussdose	TÜV-zertifiziert (IP67/68) mit Bypass-Dioden
Kabel	2 x 4 mm ²
Stecker	PV4-S

THE UNIVERSAL MODULE

Available
standard sizes

ULTRA-LIGHTWEIGHT

HIGH-EFFICIENCY
SILICON CELL TECHNOLOGY

UNIQUE "LOW DEGRADATION"
WARRANTY

PATENTED MULTI-LAYER
CELL ENCAPSULATION

ETFE FRONT SHEET

HIGH YIELD IN ANY POSITION

BENDABLE

EASY TO INSTALL

TAILOR-MADE OPTIONS
AVAILABLE

EXTREME WEATHER
CONDITIONS

Length FJB & RJB	2035 mm	12	12 x 1 M 60 Wp 8,25 Voc 6,83 Vmp	12 x 2 M 120 Wp 16,50 Voc 13,67 Vmp				
	1917 mm	11	11 x 1 M 55 Wp 7,56 Voc 6,26 Vmp	11 x 2 M 110 Wp 15,13 Voc 12,53 Vmp	11 x 3 M 165 Wp 22,69 Voc 18,80 Vmp	11 x 4 M 220 Wp 30,26 Voc 25,06 Vmp	11 x 5 M 275 Wp 37,83 Voc 31,33 Vmp	11 x 6 M 330 Wp 45,39 Voc 37,60 Vmp
	1756 mm	10	10 x 1 M 50 Wp 6,87 Voc 5,69 Vmp	10 x 2 M 100 Wp 13,75 Voc 11,39 Vmp	10 x 3 M 150 Wp 20,63 Voc 17,09 Vmp	10 x 4 M 200 Wp 27,51 Voc 22,78 Vmp	10 x 5 M 250 Wp 34,39 Voc 28,48 Vmp	10 x 6 M 300 Wp 41,26 Voc 34,18 Vmp
	1595 mm	9	9 x 1 M 45 Wp 6,19 Voc 5,12 Vmp	9 x 2 M 90 Wp 12,38 Voc 10,25 Vmp	9 x 3 M 135 Wp 18,57 Voc 15,38 Vmp	9 x 4 M 180 Wp 24,76 Voc 20,50 Vmp	9 x 5 M 225 Wp 30,95 Voc 25,63 Vmp	9 x 6 M 270 Wp 37,14 Voc 30,76 Vmp
	1434 mm	8	8 x 1 M 40 Wp 5,50 Voc 4,55 Vmp	8 x 2 M 80 Wp 11,00 Voc 9,11 Vmp	8 x 3 M 120 Wp 16,50 Voc 13,67 Vmp	8 x 4 M 160 Wp 22,01 Voc 18,23 Vmp	8 x 5 M 200 Wp 27,51 Voc 22,78 Vmp	8 x 6 M 240 Wp 33,01 Voc 27,34 Vmp
	1274 mm	7	7 x 1 M 35 Wp 4,81 Voc 3,98 Vmp	7 x 2 M 70 Wp 9,62 Voc 7,97 Vmp	7 x 3 M 105 Wp 14,44 Voc 11,96 Vmp	7 x 4 M 140 Wp 19,25 Voc 15,95 Vmp	7 x 5 M 175 Wp 24,07 Voc 19,93 Vmp	7 x 6 M 210 Wp 28,88 Voc 23,92 Vmp
	1113 mm	6	6 x 1 M 30 Wp 4,12 Voc 3,41 Vmp	6 x 2 M 60 Wp 8,25 Voc 6,83 Vmp	6 x 3 M 90 Wp 12,38 Voc 10,25 Vmp	6 x 4 M 120 Wp 16,50 Voc 13,67 Vmp	6 x 5 M 150 Wp 20,63 Voc 17,09 Vmp	6 x 6 M 180 Wp 24,76 Voc 20,50 Vmp
Thickness 2 mm ± 0.3			1	2	3	4	5	6
			227 mm	377 mm	548 mm	699 mm	870 mm	1020 mm
			Width					

RJB = rear junction box FJB = front junction box

APPLICATIONS

Building-integrated and
building-applied PV
(rooftop, facade),
special applications

POWER RANGE 20 - 350 Wp

Tolerances*
≥ 250 Wp: - 0 / + 10 W
< 250 Wp: - 5 / + 5 W
Ics: +/- 10 %
Voc: +/- 10 %

* all electrical data at STC
(1.000 W/m², 25 +/- 2 °C,
AM 1.5 according to IEC 60904-3)

HIGH RELIABILITY

IEC 61730 | IEC 61215
IEC 62804-1 Potential-induced degradation
IEC 61701 Salt mist corrosion
IEC 62716 Ammonia corrosion
EN 13501-5 B_{ROOF} (t1) *Flying sparks test"

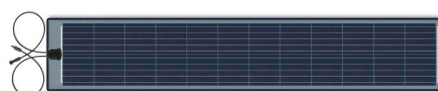
WARRANTY

10-year product warranty
40-year linear performance
warranty for building-integrated
and building-applied installations

SCIENTIFIC PARTNERS AND ASSOCIATIONS



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