

AS FLEXIBLE AS YOUR IMAGINATION

12X2M



ULTRA-LIGHTWEIGHT

Module weight as low as 2.5 kg per square meter.



PATENTED DESIGN

The patented design of our modules guarantees their long-term durability and performance



HIGHER ENERGY YIELD

The surface texture of the modules induces a light trapping effect. This effect ensures increased efficiency and thus a higher energy yield.



CUSTOMIZED

Model size, shape, and color are customizable.



FLEXIBILITY

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



EASILY MOUNTED

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



APPLICATIONS

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

POWER RANGE 110 Wp

Tolerance
-3.5 / +3.5W

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
25-year linear performance warranty for building-integrated and building-applied installations



12X2M

TECHNICAL DATA

Number of cells	24
Dimensions „front junction box“ (L x W x T)	2024 x 354 x 2 mm
Dimensions „rear junction box“ (L x W x T)	2035 x 355 x 2 mm
Weight	2.5 kg
Solar cells	5BB monocrystalline solar cells
Maximum system voltage	1000 V
Maximum reverse current	20 A
Front sheet	Soil-resistant ETFE-Film
Encapsulation	Patented fiberglass-reinforced plastic
Back sheet	High-resistance PET
Junction box	TÜV-certified (IP67/68) with bypass-diodes
Cables	2 x 4 mm ² , 500 mm
Connector	PV4S

ELECTRIC CHARACTERISTICS - MONOCRYSTALLINE CELLS

Name	Cells	Power (Wp)	Isc (A)	Voc (V)	Imp (A)	Vmp (V)
12x2	24	110	9.15	16.01	8.63	13.04

THERMAL CHARACTERISTICS

Operating temperature range	-40°C 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



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