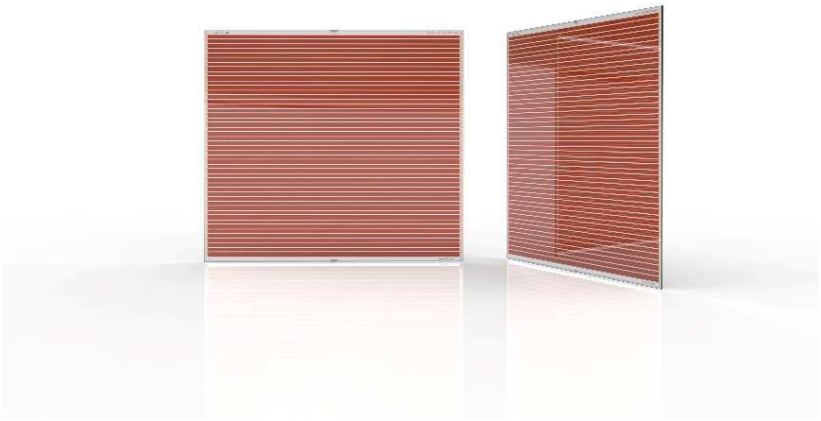
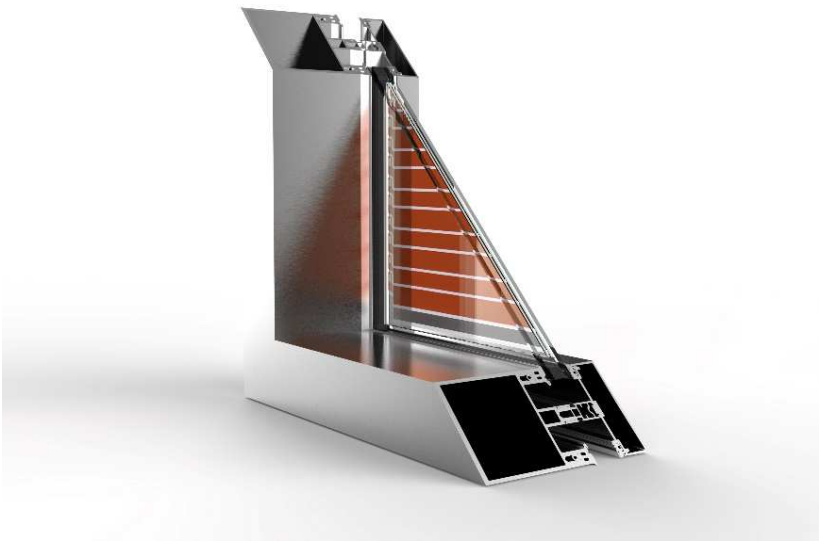
MODULE W46 RED

THE ONLY COLOURED, TRANSPARENT AND ACTIVE PV MATERIAL

- Coloured
- Transparent
- Bifacial & 360° Efficiency
- Outdoor & Indoor use
- Low light
- High temperature
- Glass structure
- Easy recycling





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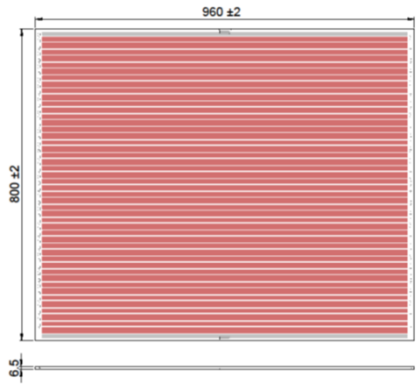
Edition 1.0 – September 2017

MODULE W46 RED

01 MECHANICAL SPECIFICATIONS

Technology	DSSC
External dimensions	960 x 800 mm (± 2mm)
Thickness	6.4 mm
Front glass	3.2 mm float glass
Back glass	3.2 mm float glass
Weight	12.3 kg



02 ELECTRICAL SPECIFICATIONS

PERFORMANCE UNDER STC 1000 W/m², 25 °C, AM 1.5

Nominal power	Pm [W]	16.4
Open circuit voltage	Voc [V]	30.1
Short circuit current	Isc [A]	1.0
Maximum power voltage	Vm [V]	19.3
Maximum power current	Im [A]	0.8
Power tolerance	[%]	+/- 5

PERFORMANCE UNDER 800 W/m², NOCT, AM 1.5

Nominal power	Pm [W]	13.9
Open circuit voltage	Voc [V]	28.2
Short circuit current	Isc [A]	0.9
Maximum power voltage	Vm [V]	19.9
Maximum power current	Im [A]	0.7

For the DSSC the module efficiency increase with decreasing irradiation

03 THERMAL AND SOLAR SPECIFICATIONS

TEMPERATURE COEFFICIENTS

Coefficient for Isc	α [%/°C]	+0.1
Coefficient for Voc	β [%/°C]	-0.37
Coefficient for Pm	γ [%/°C]	+0.05
Nominal Operating Cell T.	NOCT [°C]	45

TRANSMITTANCES AND SOLAR FACTOR

Visible transmittance	TL [%]	33
Solar Factor	G [%]	35
Thermal transmittance	U [W/m²K]	Available on final product

04 SYSTEM INTEGRATION

System voltage	100 V
Maximum reverse current	1.3 A
Operating temperature	-20°C / +70°C
Maximum mechanical resistance	Available on final product

05 CERTIFICATIONS

Design certification & type approval IEC 61646	In progress on final products
Safety certification IEC 61730	In progress on final products

Specifications subject to technical changes

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