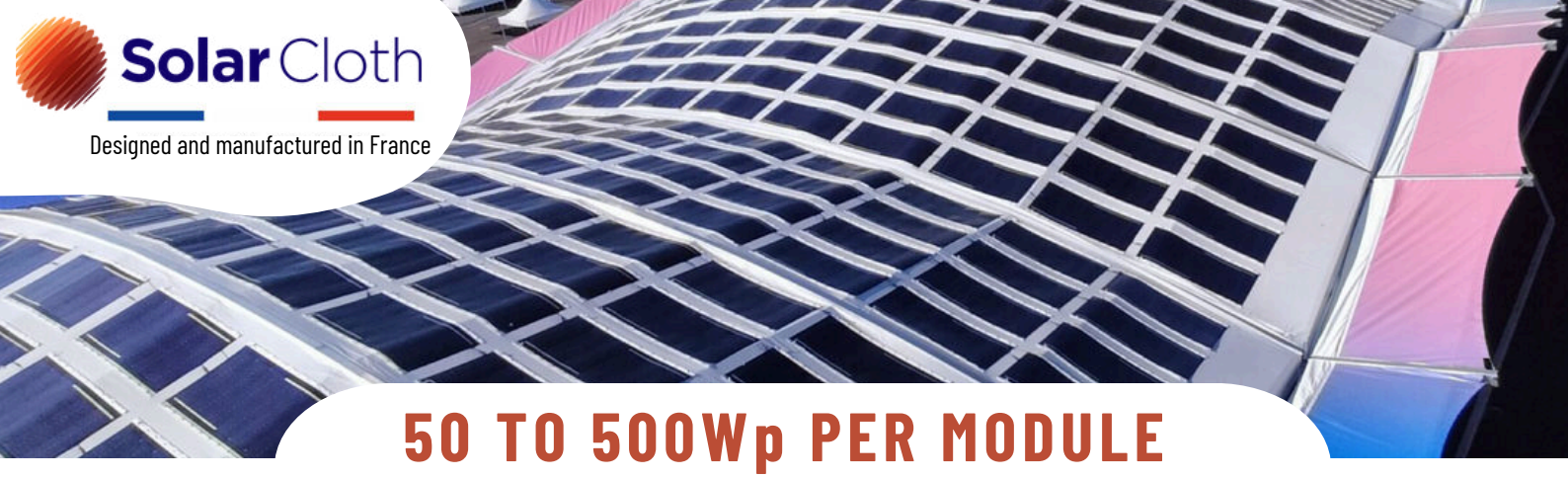
Solar Cloth

Designed and manufactured in France



50 TO 500Wp PER MODULE

Relevant where conventional panels are obsolete, with the best weight to power ratio.

Why Solar Cloth ?

RUGGED DESIGN

Shocks, vibrations and shadows proof..

Thanks to CIGS cells, 30+ bypass diodes/sqm and the modules designs.

GREAT VERSATILITY

Ultra light, custom made and easy to install.

Less than 2kg/sqm, applied with glue, velcro, lashing, etc.

ENVIRONMENTALLY FRIENDLY

Ultra low carbon footprint.

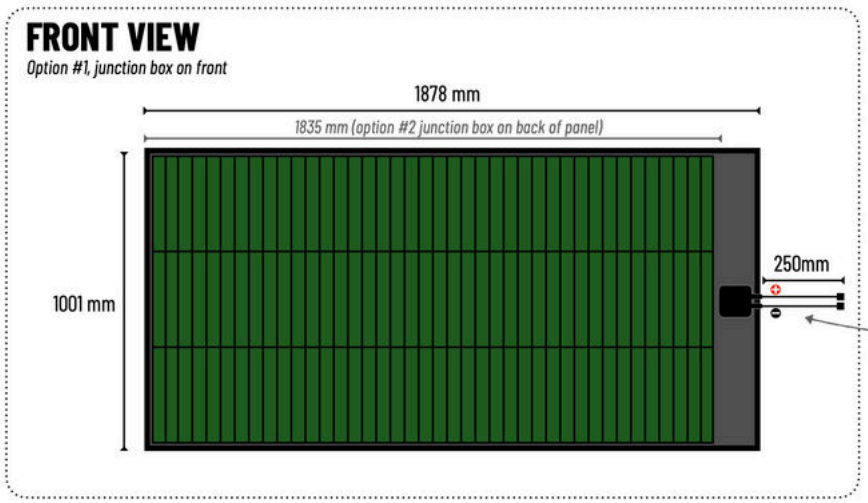
Less than 12gr CO_2/kWh solvent-free, no rare earth.

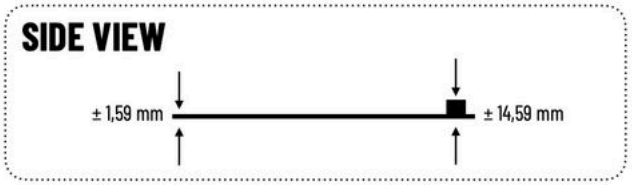
Custom made & standard solutions

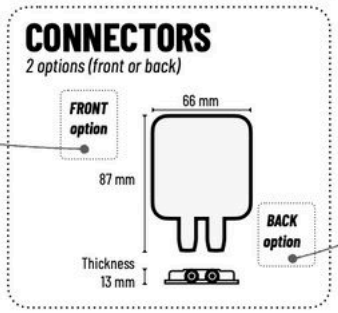
Various shapes

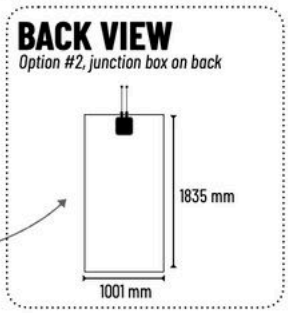
www.solar-cloth.com | 141 Avenue Jean Mermoz, 06210 Mandelieu France | +33 4 93 48 84 00

Ultra thin and light standard photovoltaic module (260-280Wp)









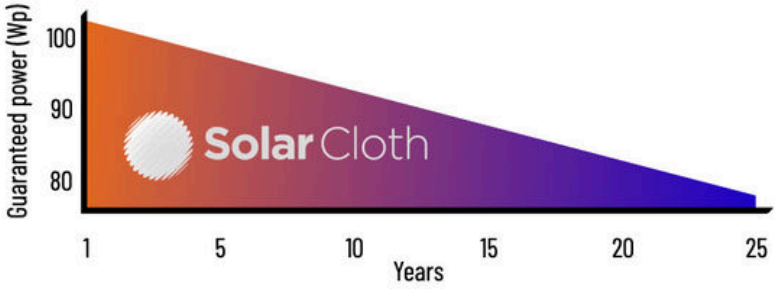
ELECTRICAL SPECIFICATIONS (STC: 1000W/m² - 25°C - AM 1,5)			
Maximum Power (Pmax)	260	280	Wp
Maximum power voltage (Vmpp)	21.8	24	V
Maximum power current (Impp)	11.79	11.6	A
Open circuit voltage (Voc)	26.8	29.3	V
Short circuit current (Isc)	13.1	12.6	V
Efficiency (%)	15.5	17.6	%
Maximum system voltage	1000	1000	V

MECHANICAL DATA	
Cell type	CIGS
Minimum dimensions (mm)	1835 x 1000
Thickness (mm)	1,59
Weight (kg/m²)	**1,9**
Max bending diameter (mm)	300 to 510
Junction box	Back or Top
Connector type	MC4
Backsheet	Black or Translucent

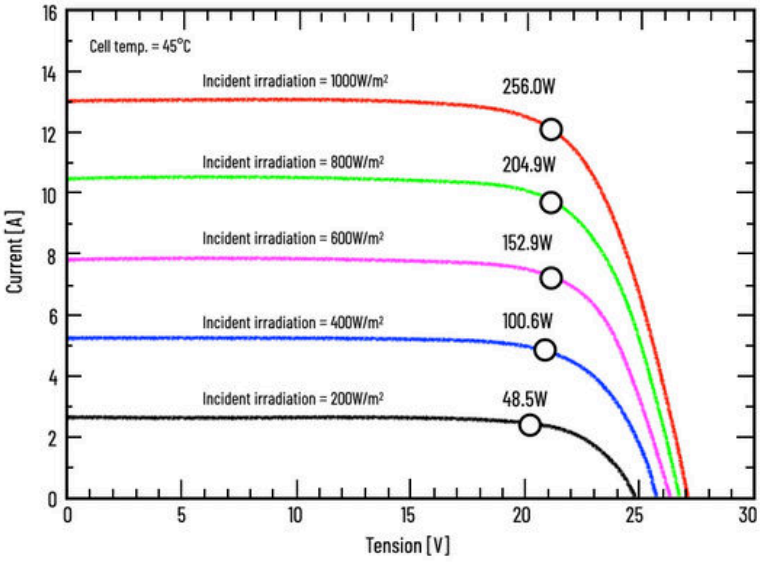
VARIOUS SPECIFICATIONS	
Maximum snow load capacity	2400 Pa
Maximum wind load capacity	2400 Pa
Bypass diodes (per standard panel)	60

THERMAL CHARACTERISTICS	
Operating temperature	-49 to +85°C
Temperature coefficient Isc	0.0088% / °C
Temperature coefficient Voc	-0.28% / °C
Temperature coefficient Pmpp	-0.38% / °C

GUARANTEED POWER



PERFORMANCE CURVE: PV module - Solar Cloth, PV IEC 260Wp - 120 cells



Solar Cloth is in partnership with several institutes and research laboratories.