

# PHOTOVOLTAIC FOR VEHICLES



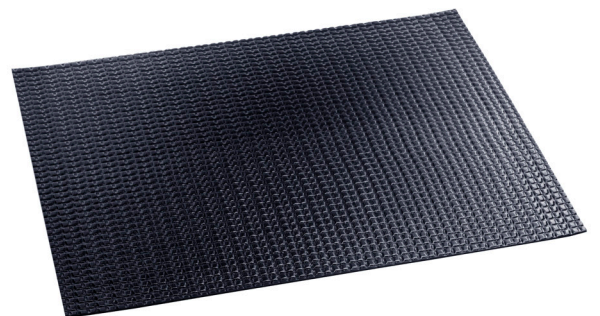
## SolFlex

SolFlex has been developed with our partner Fraunhofer Center CSP for curved surfaces.

The result is a flexible, lightweight solution with a robust and textured surface. Vehicle specific requirements such as engine and road vibrations, partial shading during parking and driving as well as aerodynamics have been considered in the design.

The frameless panel is ultra-thin and 70% lighter than conventional solar modules.

Innovative interconnection, integrated bypass diodes and half-cell technology ensure optimum yields even with shading and low irradiation. SolFlex is customized to ensure optimal use of the available space and suitable electrical output.



Frameless  
Integration



High Power  
Density



For Curved  
Surfaces



Scratch  
Resistance



High End  
Finishing

# CUSTOMIZED FOR ANY CURVED SURFACE

	Example	Customization
Area (m <sup>2</sup> )	1	Up to 3.6
Power Output (Pmax)	170 W	Up to 600 W
Voltage at Pmax (Vmp )	20.22 V	By design
Current at Pmax (Imp )	8.31 A	By design
Open-Circuit Voltage (Voc)	24.23 V	By design
Short-Circuit Current (Isc )	9.55 A	By design
Length (mm)	1000	Up to 3000
Width (mm)	1000	Up to 1200
Thickness without adhesive tape (mm)	2.9	2.9
Thickness with adhesive tape (mm)	4.4	4.4
Weight (Kg) +/- 5%	3.4	By design
Bending Radius		15°
Cell Efficiency (%)		>22
Operating temperature		-40 - 85°C
Features	Available with double-sided adhesive tape tested by Fraunhofer CSP	
Certificates	ISO 9001, ISO 14001, ISO 45001 IMDS ready	

## MADE FOR VEHICLES



Values at standard test conditions (STC). Specifications subject to technical changes.  
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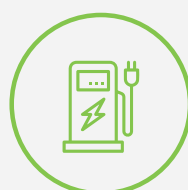
## SELF-CHARGING BENEFITS



**Add free range**  
 Solar Power turns directly in more KM



**Cut energy costs**  
 Make the sun your charging station



**Minimize Recharges**  
 Save time through fewer charging stops



**Extend battery life**  
 Improve the battery management



**Reduce emissions**  
 Lower the CO<sup>2</sup> footprint of your fleet