

PHOTOVOLTAIC FOR TRANSPORT



SolShell

SolShell is a new and unique photovoltaic product for trucks, light electric vehicle or cargo bikes. It substitutes a wall or roof with a light-weight solar element.

In a patented process, crystalline solar cells are combined with structural foam. Conventional sandwich elements of a box are replaced, adding power generation to the function of the box.

Geometrical and electrical specifications will be customized to achieve a perfectly stable fit.

Innovative interconnection and half-cell technology ensure optimum yields also at shading and low irradiation conditions.



Seamless
Integration



High Power
Density



Weight
Neutral



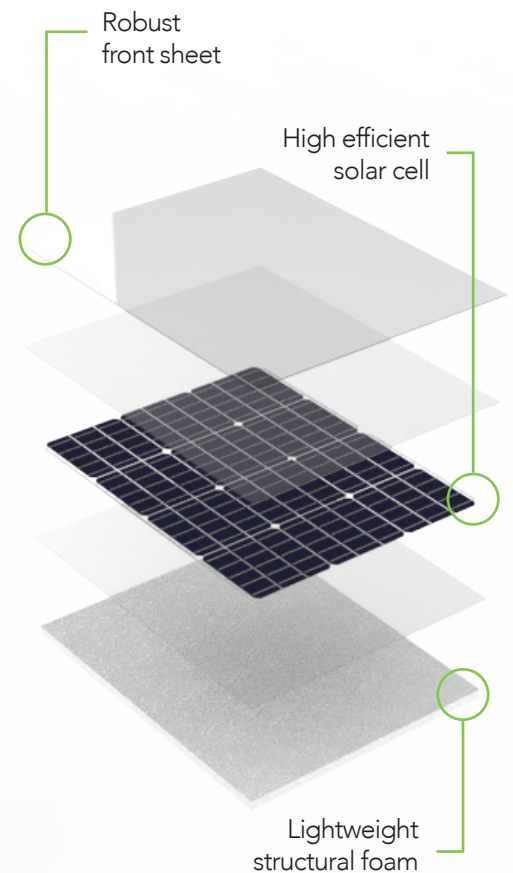
High Impact
Resistance



Shadow
Optimized

CUSTOMIZED FOR SEAMLESS INTEGRATION

| | Example | Customization |
|------------------------------|--|----------------------------------|
| Area (m ²) | 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 (mm) | 14.5 | 5 – 20 |
| Weight (Kg) +/- 5% | 4.64 | 3.6 – 5.25 (per m ²) |
| Power Tolerance (%) | | +/-5 |
| Cell Efficiency (%) | | >22 |
| Installation | The solar element replaces a wall or roof. Inhouse production of a box is available. | |
| Features | Very good fatigue strength, easy processing with any resins and laminating processes | |
| Certificates | ISO 9001, ISO 14001, ISO 45001, IMDS ready | |



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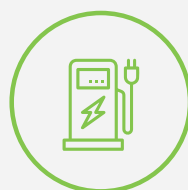
SELF-CHARGING BENEFITS



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 visits



Extend battery life
 Improve the battery management



Reduce emissions
 Lower the CO² footprint of your fleet