

# POWERGLAZ- Fully customisable solar panel

## Description

In most cases, the PowerGlaz panels consist of two layers of glass with solar cells laminated in between. It is also possible to produce PowerGlaz panels in a double or triple version, with insulation values up to 0.6 W/m<sup>2</sup>k. If weight is an important factor, the PowerGlaz panels can be constructed from lightweight materials such as polycarbonate or thin glass in combination with tedlar backingsheet.



## Important Features

<b>Maximum dimensions:</b>	2200 mm x 5000 mm
<b>U- value:</b>	up to approx. 0.6 W/m <sup>2</sup> K

## Applications

- ▷ Roof
- ▷ Window
- ▷ Facade
- ▷ Street furniture

## POWERGLAZ- Fully customisable solar panel with measurements

Measurements in mm, other measurements on appeal available

<b>Max. dimensions:</b>	2200 mm x 5000 mm
<b>Shape:</b>	Within the limits of the glass
<b>Solar cell type:</b>	6" Mono & Poly
<b>Light transmittance:</b>	To spec; min: approx. 10%
<b>Cell coverage:</b>	Entirely to spec; 1% – approx. 90%
<b>Installed capacity:</b>	Depends on cell investment; max. 190Wp/m <sup>2</sup>
<b>Colour of solar cells:</b>	Blue, black or coloured
<b>Interlayer type:</b>	PVB or EVA
<b>Connectors:</b>	Edge connector, Twinbox or Junctionbox with MC4 plug

<b>Minimum thickness:</b>	7.5 mm for glass / glass & 4.5 mm for glass / tedlar
<b>Maximum thickness:</b>	On request
<b>Insulated glass:</b>	Double and Triple
<b>Minimum U- value:</b>	0.6 W/m <sup>2</sup> K
<b>Other options:</b>	Combination with burglar-resistant or bullet-proof glass possible
<b>Colour options:</b>	Screen printing, coloured glass or coloured PVB foil

## Glass Composition

