

## Solar system

KIOTO  
SOLAR

## Energy facade

260 Wp poly

280 Wp mono

*Coloured! Every facade,  
every colour*

Compared to usual facade systems, the energy facade delivers free power from the sun. That means: the facade pays off. It delivers energy continuously and also protects the building from environmental influences.

### Optionally: Coloured energy facade

It is possible to colour the energy facade in every desired colour. The PV structure is no longer visible. The result: an energy facade with perfect design that delivers free power from the sun!

*Advantages:*

- // Building cover is the power plant for solar energy
- // Energy facade yields optimized for winter season
- // Perfect solution for facade renovations
- // The existing substructure can be used

Optionally:

- // Coloured energy facade



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Photovoltaics >>Made in Austria<<



ENERGY-FACADE

# KPV Energy facade 260 Wp poly

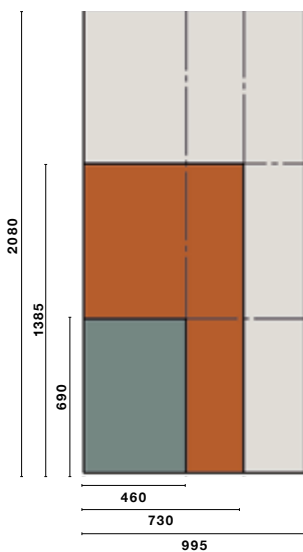
# KPV Energy facade 280 Wp mono

**Module specifications** (depending on colour, basis size 1.385x995mm)

Colour code		Pmpp <sub>[Wp]</sub>	Pmpp <sub>[Wp/m<sup>2</sup>]</sub>	Umpp <sub>[V]</sub>	Imp <sub>[A]</sub>	Uoc <sub>[V]</sub>	Isc <sub>[A]</sub>
Without colour		230 Wp	165 Wp	26,15 V	8,80 A	31,73 V	9,26 A
Light grey NCS S1502-Y50R		160 Wp	120 Wp	26,15 V	6,14 A	31,46 V	6,49 A
Turquoise NCS S5020-G10Y		110 Wp	85 Wp	26,2 V	4,2 A	31,1 V	4,3 A
Light yellow NCS S1020-Y10R		120 Wp	90 Wp	26 V	4,6 A	31,2 V	4,8 A
Red NCS S2570-Y70R		150 Wp	110 Wp	26,2 V	5,7 A	31,5 V	6 A
Light green NCS S0540-G80Y		150 Wp	110 Wp	25,8 V	5,8 A	31,5 V	5,8 A

**Additional parameters**

<b>Crystalline cells</b>	156mm x 156mm
<b>Connecting System</b>	Tyco-PV4, MC4 - compatible plug in connector 4 mm <sup>2</sup>
<b>Max. system voltage</b>	1000V DC
<b>Power tolerance</b>	(+ 5 W / - 0 W) Measurement: STC (standard test conditions)
<b>Max. reverse over current</b>	15A
<b>Ambient temperature</b>	+85°C up to -40°C
<b>Cable length</b>	2 x 1000mm
<b>Bypass diodes</b>	3 pcs.
<b>Weight</b>	17,50 kg/m <sup>2</sup>
<b>Glass specification</b>	Front: 4 mm matted / back: 4 mm
<b>Efficiency guarantee</b>	min. 97% in the first year, afterwards max. 0,70 % reduction p.a. up to 25 years
<b>Product guarantee</b>	12 years



**Option:**  
The active glass facade is available in different standard sizes and colours on request.

**More possibilities** (on request)  
 // Thermo-glass  
 // Glass filling, glass thickness  
 // Variable cell distances  
 // Double glass, three-fold glass,...

Pic.: Modular construction with standard sizes between max. H: 2.080 mm and max. B: 995 mm with clearance 5mm  
Individual sizes and blind modules on request

The customer carries the sole responsibility the the goods ordered and delivered are suitable for his purposes. Applicational advices, whether verbal, in writing or by making tests are conducted to the best of KIOTO Photovoltaics GmbH's knowledge, whether verbal, in writing or by way of trials or otherwise, is provided to the best of our knowledge, but without any guarantee or liability. Special technical constructions may be subject to of ficial approval. The constructor or the client is responsible for obtaining such of ficial approval. The customer must bear any costs caused by changes or alterations because of special technical constructions, especially for tests or calculations. A project-related, static pre-dimensioning as well as the correct use of the glasses was not carried out or tested by us.  
Measurement tolerance ±3%