

## Solar Module

# Inroof Glass

75/110/170 Wp mono

KIOTO  
SOLAR

*NEW! Tough.  
Efficient. Aesthetically.*

Our inroof system is very installation friendly. It is easy to handle with a format of 1m<sup>2</sup>. The system can be installed easily with only a few components. There are laminates in 3 more sizes. It has a modular set-up and can be expanded easily. All components fit on a pallet. The frameless PV modules fit perfectly on every roof.

### *Advantages:*

- // Design solution - the PV system becomes part of the house
- // Glass-glass-solution for the whole roof, also on the edges
- // Best and easiest mounting system
- // Modular set-up with easy click system
- // Extremely durable because of special glass lamination method



©BeNetz



INROOF

# KPV GE 75/110/170M FB

## Module specifications

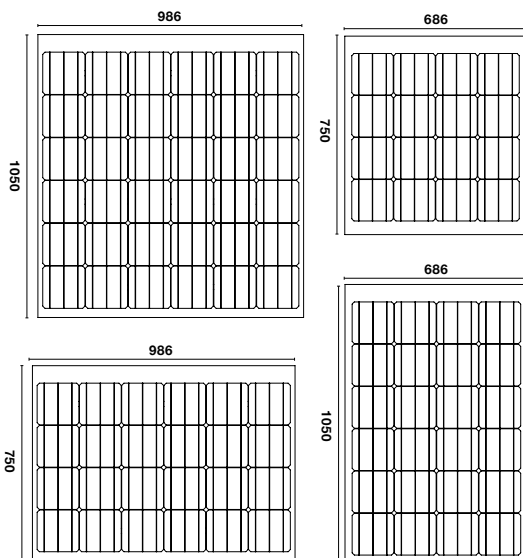
Type	P <sub>mp</sub> [W <sub>p</sub> ]	U <sub>mp</sub> [V]	I <sub>mp</sub> [A]	U <sub>oc</sub> [V]	I <sub>sc</sub> [A]	efficiency rate	area per kWp
75 mono	75 Wp	8,6 V	8,72 A	10,3 V	9,18 A	14,9 %	-
110 mono	110 Wp	12,62 V	8,72 A	15,46 V	9,18 A	14,9 %	-
170 mono	170 Wp	19,58 V	8,72 A	23,18 V	9,18 A	16,42 %	6,08 m <sup>2</sup>

## Electrical data

<b>16/24/36 crystalline cells</b>	156mm x 156mm
<b>Connecting System</b>	Tyco
<b>Max. system voltage</b>	1000V DC
<b>Power tolerance</b>	(+ 5 W / - 0 W) Measurement: STC (standard test conditions)
<b>Temperature coefficients</b>	mono: P <sub>mp</sub> -0,42%/K U <sub>oc</sub> -0,32%/K I <sub>sc</sub> +0,047%/K
<b>Max. reverse over current</b>	15A
<b>Operation temperature</b>	+85°C up to -40°C
<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

## Technical data

<b>Sizes</b>	1050 mm x 986 mm x 8 mm (+/- 2 mm) 750 mm x 986 mm x 8 mm (+/- 2 mm) 750 mm x 686 mm x 8 mm (+/- 2 mm) 1050 mm x 686 mm x 8 mm (+/- 2 mm)
<b>Weight</b>	9/14/19 kg
<b>Glass specification</b>	TVG 3 mm
<b>Backside material</b>	TVG 3 mm
<b>Packaging</b>	25 modules/pal.



### Inroof installation

- // Solution for the entire roof
- // Modular set-up with easy click system
- // Extremely durable because of special glass lamination method



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 official approval. The constructor or the client is responsible for obtaining such official 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%