

Glass-Glass Module

SolarQuadrat Inroof-System

50/170 Wp mono

*NEW! Tough.
Efficient. Aesthetically.*

KIOTO SOLAR's inroof system is very installation friendly. It is easy to handle due to the square format. The frameless PV modules fit perfectly on every roof. It has a modular set-up and can be expanded easily. The system can be installed easily with only 3 components.

Advantages:

- // Design solution: Solarquadrat becomes part of the house
- // Mounting on roofs or facades possible
- // Modular set-up, can be mounted in parallel or offset
- // Only 3 components needed: Solarquadrat module, metre rail, mounting bracket
- // Extremely durable because of special glass lamination method
- // Special optics thanks to homogenous dark surface



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INROOF

KPV GE 50/170M FB

Module specifications

Type	P _{mp} [W _p]	U _{mp} [V]	I _{mp} [A]	U _{oc} [V]	I _{sc} [A]	efficiency rate	area per kWp
50 mono	50 Wp	5,6 V	8,99 A	7,99 V	9,45 A	9,8 %	-
170 mono	170 Wp	19,58 V	8,72 A	23,18 V	9,18 A	16,42 %	6,08 m ²

Electrical data

12/36 crystalline cells	156mm x 156mm
Connecting System	Tyco
Max. system voltage	1000V DC
Power tolerance	(+ 5 W / - 0 W) Measurement: STC (standard test conditions)
Temperature coefficients	mono: P _{mp} -0,42%/K U _{oc} -0,32%/K I _{sc} +0,047%/K
Max. reverse over current	15A
Operation temperature	+85°C up to -40°C
Efficiency guarantee	min. 97% in the first year, afterwards max. 0,70 % reduction p.a. up to 25 years
Product guarantee	12 years product guarantee for the glass-glass module
Recommended installation	SolarQuadrat Inroof

Technical data

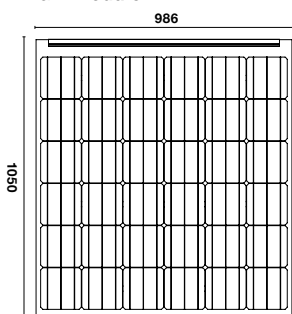
Sizes	1050 mm x 986 mm x 7 mm (+/- 2 mm) 1050 mm x 486 mm x 7 mm (+/- 2 mm)
Weight	19 kg respectively 9kg
Glass specification	TVG 3 mm
Backside material	TVG 3 mm
Packaging	32 modules/Pal.



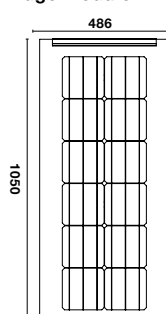
Inroof system

1.) Inroof module in different sizes

Main module



Edge module



2.) Rail incl. sealing lip



3.) Mounting bracket

