

Solar Module

KIOTO
SOLAR

PROJECT-72

330 Wp poly

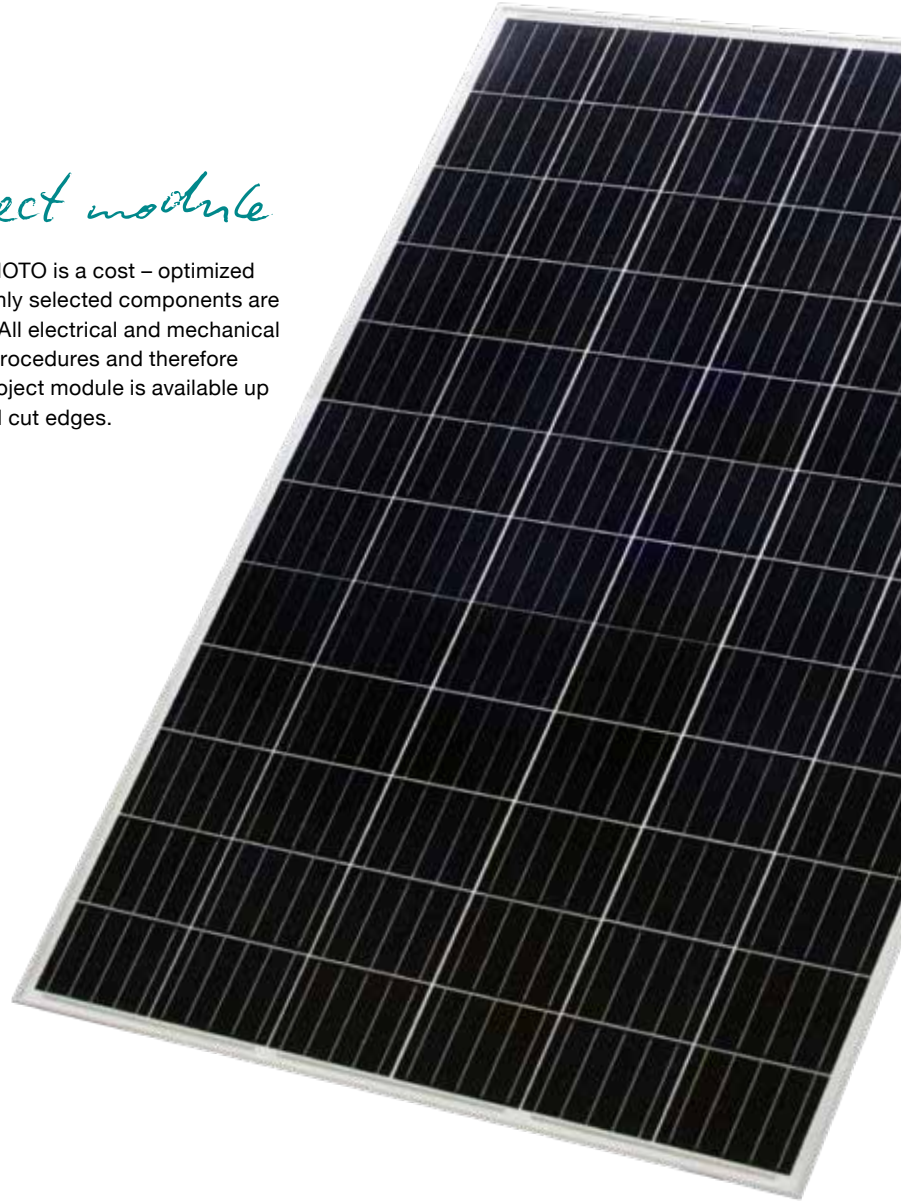
370 Wp mono

EFFICIENT! The project module

The 72 cell Project photovoltaic module series from KIOTO is a cost – optimized alternative especially for huge project applications. Only selected components are used which strictly adhere to ISO and IEC standards. All electrical and mechanical tolerances are verified over the same innovative test procedures and therefore identically to the standard product line. The 72 cell Project module is available up to 370 Wp and comes with aluminium frame and bevel cut edges.

Advantages:

- // Use of PID-resistant module components
- // Product warranty of 10 years and a linear performance warranty for 25 years
- // Use of high quality components from nameable deliverers
- // Stable frame concept for technical safety and homogeneous design
- // Optimized weak light behaviour



PROJECT-72

KPV PE NEC 330 Wp poly

KPV ME NEC 370 Wp mono

Module specification

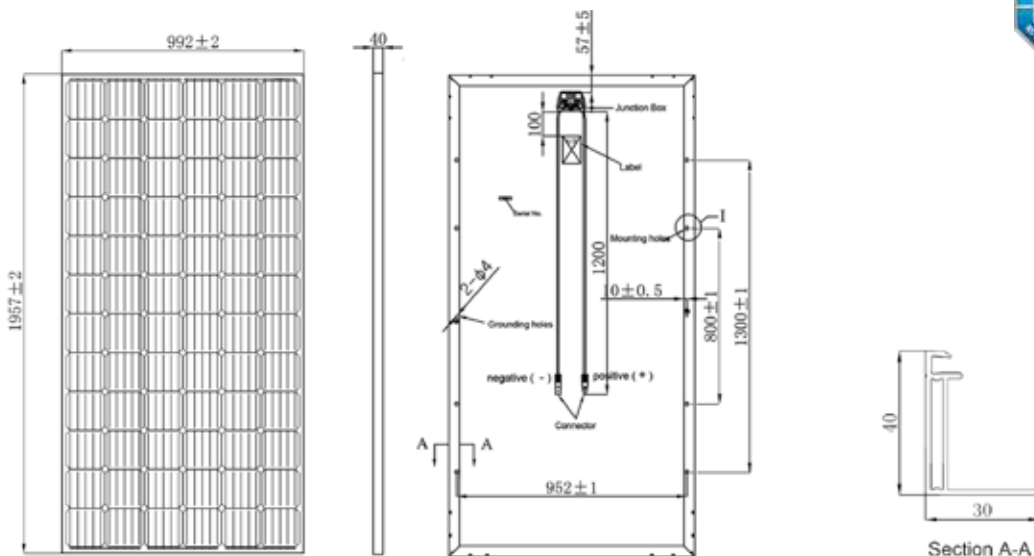
Type	P _{mp} [W _p]	U _{mp} [V]	I _{mp} [A]	U _{oc} [V]	I _{sc} [A]	efficiency rate	area per kWp
330 poly	330 Wp	37,52 V	8,80 A	45,95 V	9,29 A	17,00%	5,88 m ²
370 mono	370 Wp	39,58 V	9,35 A	48,36 V	9,85 A	19,06%	5,24 m ²

Electrical data

72 crystalline cells	156mm x 156mm
Connecting System	MC4 - compatible plug in connector 4 mm ²
Max. system voltage	1000V DC
Power tolerance	(+ 5W / - 0 W) Measurement: STC (standard test conditions)
Temperature coefficients	poly: P _{mp} -0,394%/K U _{oc} -0,307%/K I _{sc} +0,04%/K mono: P _{mp} -0,393%/K U _{oc} -0,31%/K I _{sc} +0,041%/K
Max. reverse over current	15A
Operation temperature	+85°C up to -40°C
Cable length	2 x 1.200mm
Bypass diodes	3 pcs.
Efficiency guarantee	min. 97 % in the first year, afterwards linear reduction up to 25 years
Product guarantee	10 years

Technical data

With aluminium frame	1957 mm x 992 mm x 40 (+/- 3 mm)
Weight	21,50 kg
Glass specification	Reinforced 3,2mm solar glass with high transmittance
Encapsulation material	EVA encapsulant
Backside material	Multi-layer anti aging film
Test certificate	IEC 61215, IEC 61730 by TÜV Süd
Extended certificates	High salt mist and ammonium resistance, certified by TÜV Nord
Packaging	26 modules/pal., 572 modules/truck



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%