

## Solarmodul

# PROJECT-60

280 Wp poly

335 Wp mono halfcut



Eine Marke von

**SONNENKRAFT**

## *EFFICIENT! The project module*

The 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 Project module is available up to 335 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-60

# KPV PE NEC 280 Wp poly

# KPV ME NEC 335 Wp mono halfcut

## Module specification

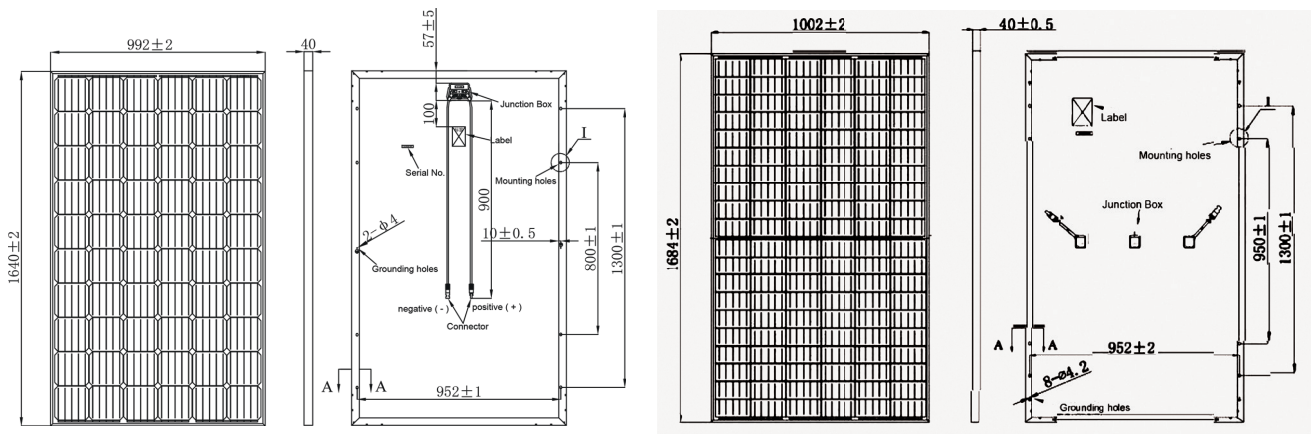
Type	Pmpp <sub>[Wp]</sub>	Ump <sub>[V]</sub>	Imp <sub>[A]</sub>	Uoc <sub>[V]</sub>	Isc <sub>[A]</sub>	efficiency rate	area per kWp
280 poly	280 Wp	31,75 V	8,82 A	38,91 V	9,30 A	17,21%	5,80 m <sup>2</sup>
335 mono halfcut	335 Wp	33,99 V	9,86 A	40,93 V	10,36 A	19,85%	5,03 m <sup>2</sup>

## Electrical data

<b>60 crystalline cells poly / mono halfcut</b>	156mm x 156 mm / 158,75mm x 79,375mm
<b>Connecting System</b>	MC4 — compatible plug-in connector 4 mm <sup>2</sup>
<b>Max. system voltage</b>	1000V DC
<b>Power tolerance</b>	(+ 5W / - 0 W) Measurement: STC (standard test conditions)
<b>Temperature coefficients</b>	poly: Pmpp -0,394%/K Uoc -0,307%/K Isc +0,04%/K mono halfcut: Pmpp -0,393%/K Uoc -0,287%/K Isc +0,024%/K
<b>Max. reverse over current</b>	15A
<b>Operation temperature</b>	+85°C up to -40°C
<b>Cable length</b>	2 x 1.000 mm
<b>Bypass diodes</b>	3 pcs.
<b>Efficiency guarantee</b>	min. 97 % in the first year, afterwards linear reduction up to 25 years
<b>Product guarantee</b>	10 years

## Technical data

<b>Size poly / mono halfcut</b>	1640 mm x 992 mm x 40 (+/- 3 mm) / 1684 mm x 1002 mm x 40 (+/- 3 mm)
<b>Weight poly / mono halfcut</b>	18,50 kg / 19,50 kg
<b>Glass specification</b>	Reinforced 3,2mm solar glass with high transmittance
<b>Test certificate</b>	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730 by TÜV Süd
<b>Extended certificates</b>	High salt mist and ammonium resistance, certified by TÜV Nord
<b>Packaging</b>	280 Wp poly: 832 modules/truck (26+26 modules per storage position) 335 Wp mono halfcut: 840 modules/truck (27+29 modules per storage position)



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 of official 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%

This datasheet is not legally binding. Actual specifications and/or product features may vary. KIOTO Photovoltaics GmbH reserves the right to make changes to specifications without notice. Caution: Read the safety and installation instructions before using the product. The currently valid warranty/guarantee declaration and the general delivery terms and conditions of KIOTO Photovoltaics GmbH are part of this datasheet. Further details can be found on our website. 01/20