

KIOTO
SOLAR

SOLAR MODULE

250 / 255 Wp poly

Pure 60



Efficiency!
Project-
module

Advantages of KIOTO modules:

1. Exact current sorting in steps of 0,1A
2. Product warranty of 10 years and a linear performance warranty for 25 years
3. Extremely solid (5400Pa), nevertheless very light module construction (under 20kg)
4. Use of high quality components from nameable deliverers
5. Intelligent frame concept for technical safety, flexibility and homogeneous design
6. Optimized weak light behaviour

The Pure photovoltaic module series from KIOTO is a cost – optimized alternative especially for 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 Pure module is available with 250 / 255Wp and comes with plate – finished aluminium frame and solid edge connectors.



Pure-60 **KPV PE NEC**
250/255 Wp PURE poly



kiotosolar.com

MODULE SPECIFICATIONS

Type	Pmpp _[Wp]	Ump _[V]	Impp _[A]	Uoc _[V]	Isc _[A]	efficiency rate	area per kWp
KPV 250 PE poly	250 Wp	30,56 V	8,21 A	37,84 V	8,85 A	15,12 %	6,61 m ²
KPV 255 PE poly	255 Wp	30,72 V	8,30 A	37,96 V	8,87 A	15,43 %	6,48 m ²

ELECTRICAL DATA

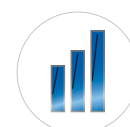
60 crystalline cells:	156 mm x 156 mm
Connecting System:	Tyco-Solarlok®, plug in connector 4 mm ²
Max. system voltage:	1000 V DC
Power tolerance:	(+ 2% / - 2 %) Measurement: STC (standard test conditions)
Temperature coefficients:	Pmpp= -0,405%/K / Uoc= -114mV/K / Isc= +4,1mA/K
Ambient temperature:	+ 85°C to - 40°C
Cable length:	2000 mm
Bypass diodes:	3 pcs. Tyco SL1515
Efficiency guarantee:	min. 97% in the first year, afterwards max. 0,70% reduction p.a. up to 25 years
Product guarantee:	10 years



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic inspection

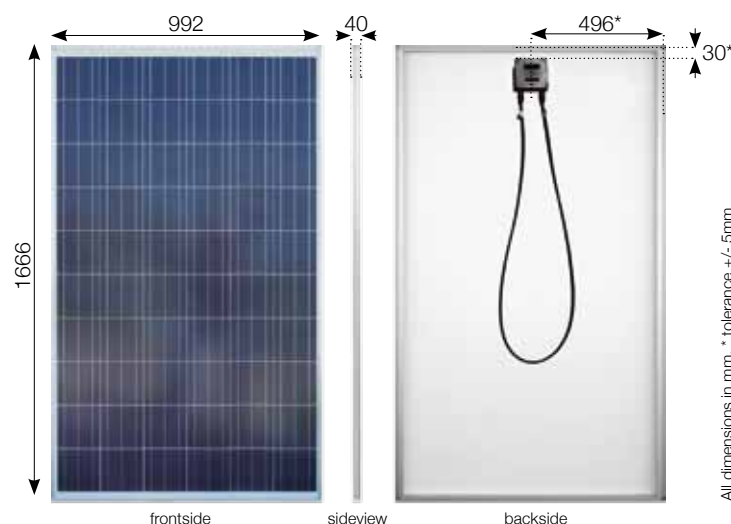
TECHNICAL DATA

With aluminium frame (not anodised):	1666 mm x 992 mm x 40 mm (+/-2 mm)
Weight:	19,50 kg
Glass specification:	Sola rglass ESG 3,2 mm with high-strength antireflective coating
Encapsulation material:	Etimex, STRE
Backside material:	Isovoltaic
Test certificate:	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730; IP 65, MCS - Certificate
Extended hail test:	Grainsize 25mm, max. velocity of 46m/s (165,6km/h) and Grainsize 55mm, max. velocity of 33,5m/s (120,6km/h)
Packaging:	24 modules/pal.



CURRENT SORTED

- Exact current sorting in steps of 0,1A
- One amperage class per string
- Maximization of yield up to 3% due to reduction of mismatch losses



Intelligent frame concept

- New 40mm frame with plastic edge connector
- Robust structure and optimized weight
- No sharp edges

