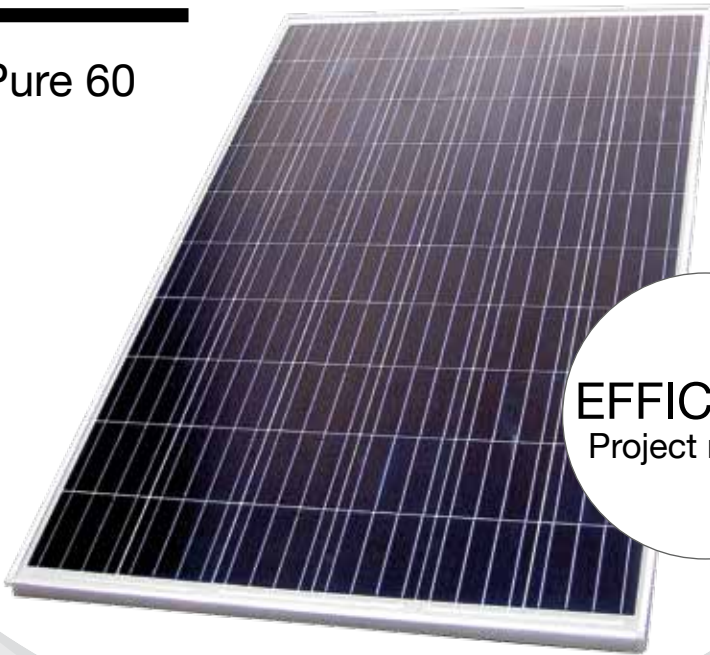


KIOTO
SOLAR

SOLAR MODULE

260/265/270/275/280 Wp poly
280/285 Wp mono

Pure 60



EFFICIENT!
Project module

Advantages of KIOTO modules:

1. Exact current sorting in steps of 0,1 A
2. Use of PID-resistant module components
3. Product warranty of 10 years and a linear performance warranty for 25 years
4. Use of high quality components from nameable deliverers
5. Intelligent frame concept for technical safety 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 260 - 285 Wp and comes with plate – finished aluminium frame and solid edge connectors.



Pure-60 KPV PE NEC 260/265/270/275/280 PURE poly

KPV ME NEC 280/285 PURE mono



kiotosolar.com

MODULE SPECIFICATION

Type	P _{mpp} [W _p]	U _{mpp} [V]	I _{mpp} [A]	U _{oc} [V]	I _{sc} [A]	efficiency rate	area per kWp
KPV 260 PE poly	260 Wp	31,10 V	8,37 A	37,99 V	8,90 A	15,73 %	6,36 m ²
KPV 265 PE poly	265 Wp	31,60 V	8,40 A	38,01 V	8,94 A	16,03 %	6,23 m ²
KPV 270 PE poly	270 Wp	32,18 V	8,42 A	38,33 V	9,03 A	16,34 %	6,12 m ²
KPV 275 PE poly	275 Wp	32,24 V	8,53 A	38,64 V	9,08 A	16,64 %	6,00 m ²
KPV 280 PE poly PERC	280 Wp	32,61 V	8,59 A	38,82 V	9,13 A	16,94 %	5,90 m ²
KPV 280 ME mono	280 Wp	31,42 V	8,95 A	37,98 V	9,29 A	16,94 %	5,90 m ²
KPV 285 ME mono	285 Wp	31,86 V	8,98 A	38,02 V	9,43 A	17,24 %	5,79 m ²

ELECTRICAL DATA

60 crystalline cells:	156 mm x 156 mm
Connecting System:	Tyco-PV4, MC4 - compatible plug in connector 4 mm ²
Max. system voltage:	1000 V DC
Power tolerance:	(+ 5 W / - 5 W) Measurement: STC (standard test conditions)
Temperature coefficients:	poly: P _{mpp} = -0,405 %/K / U _{oc} = -114 mV/K / I _{sc} = +4,1 mA/K mono: P _{mpp} = -0,37 %/K / U _{oc} = -90,7 mV/K / I _{sc} = +2,85 mA/K
Ambient temperature:	+ 85 °C bis - 40 °C
Cable length:	2 x 1000 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



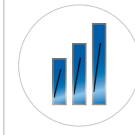
Certificate No.: MCS PV0025 Photovoltaic systems

VARIATION WITH 40MM FRAME

- Construction for flexible mounting possibilities
- For areas with high snow load
- Suitable for all mounting systems

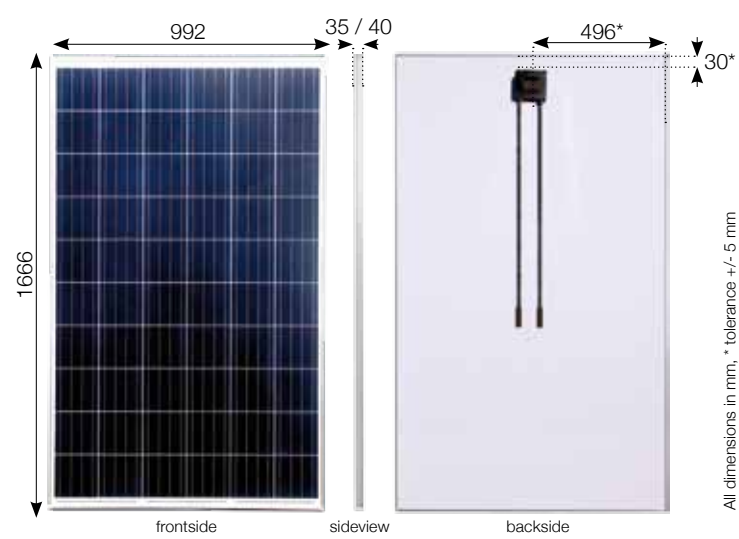
TECHNICAL DATA

With aluminium frame (not anodised):	1666 mm x 992 mm x 35/40 mm (+/- 2 mm) / (Junction box height 22,5 mm)
Weight:	35 mm: 18,50 kg / 40 mm: 19,50 kg
Glass specification:	Solarglas ESG 3,2 mm with high-strength antireflective coating
Encapsulation material:	STRE
Backside material:	Isovoltaic
Test certificate:	IEC 61215 IEC 61730; IP 65, MCS - Certificate
Extended hail test:	Grainsize 25 mm, max. velocity of 46 m/s (165,6 km/h) and Grainsize 55 mm, max. velocity of 33,5 m/s (120,6 km/h)
Packaging:	35 mm: 28 modules / pal. / 40 mm: 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



New frame concept

- New frame with plastic edge connectors
- Robust structure and optimized weight
- No sharp edges

