

Solar Module

Power-60

325/330 Wp mono silver

320/325 Wp mono black



A brand of
SONNENKRAFT

TOP! The premium class

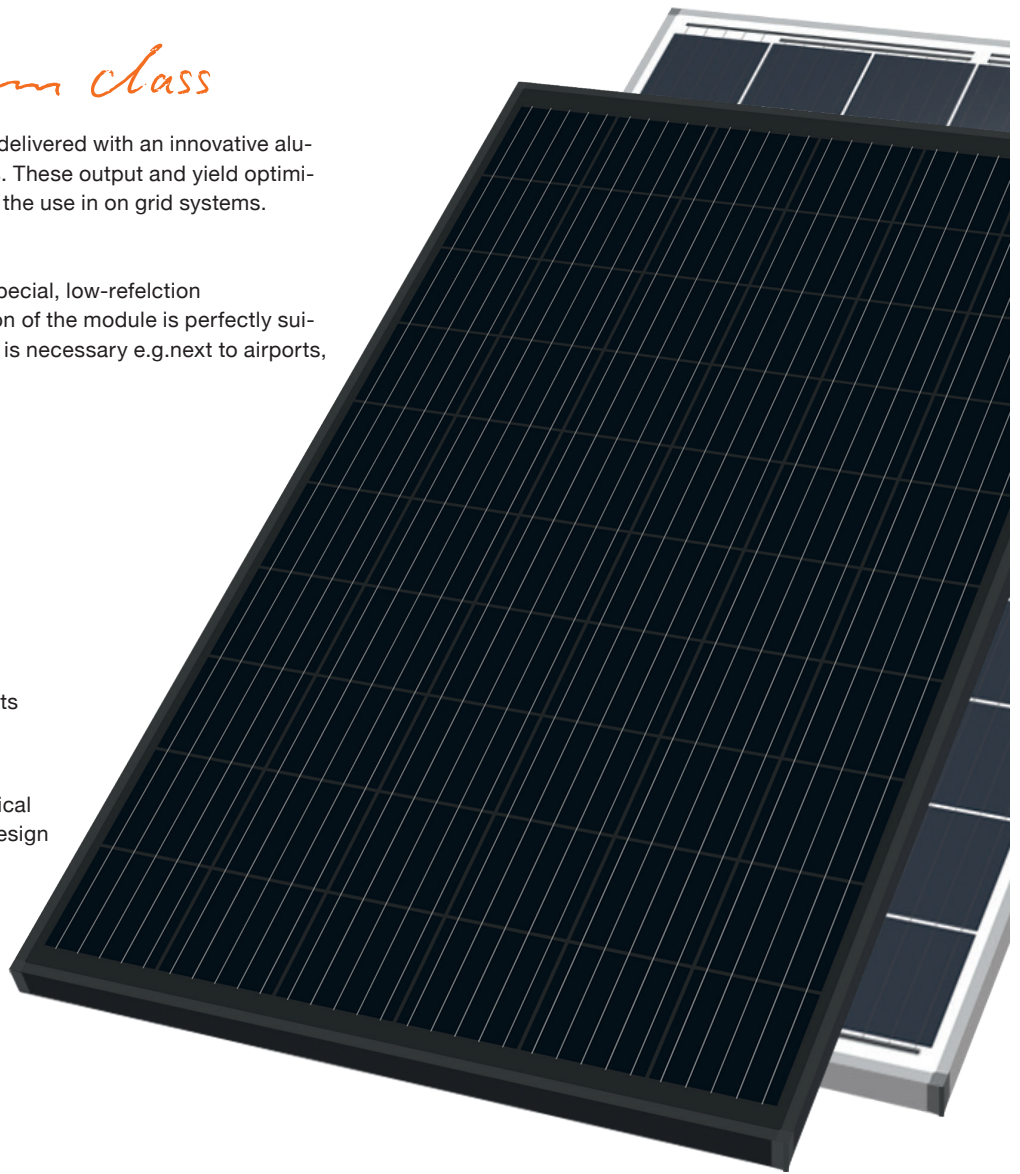
KIOTO modules of the POWER series are delivered with an innovative aluminium frame for flexible mounting options. These output and yield optimized solar modules are designed mainly for the use in on grid systems.

Less light reflection:

All POWER modules are delivered with a special, low-reflection Deflect solar glass. The black design edition of the module is perfectly suitable for regions where less light reflection is necessary e.g. next to airports, roads or multi-family homes.

Advantages:

- // 12 years product warranty and 25 years linear performance warranty
- // 5 busbar cell technology
- // Use of PID-resistant module components
- // Highest load capacity (5,400 Pa) at low module weight
- // Intelligent framework concept for technical security, flexibility and homogeneous design



POWER-60

KPV ME NEC 325/330 Wp mono silver

KPV ME NEC 320/325 Wp mono black

Module specifications

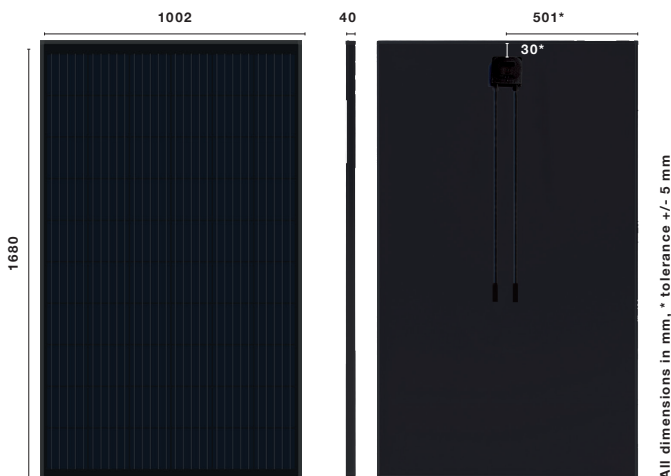
POWER Silver	Pmpp _[Wp]	Ump _[V]	Impp _[A]	Uoc _[V]	Isc _[A]	efficiency rate	area per kwp
325 mono	325 Wp	33,81 V	9,65 A	40,12 V	10,09 A	19,30%	5,17m ²
330 mono	330 Wp	33,97 V	9,77 A	40,46 V	10,17 A	19,60%	5,10m ²
POWER Black							
320 mono	320 Wp	33,57 V	9,57 A	39,87 V	10,04 A	19,01%	5,26m ²
325 mono	325 Wp	33,81 V	9,65 A	40,12 V	10,09 A	19,30%	5,17m ²

Electrical data

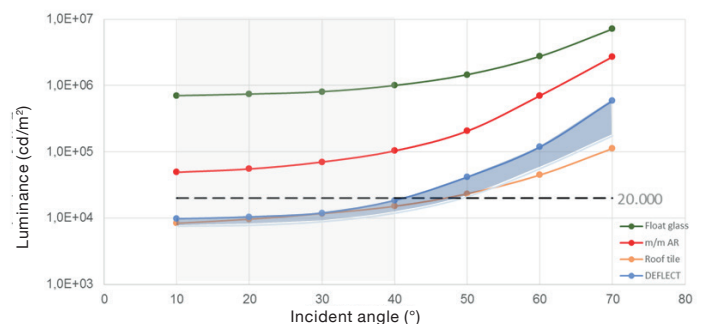
60 crystalline cells	158,75mm x 158,75mm
Connecting System	Junction box with Original Stäubli MC4 connectors
Max. system voltage	1000V DC
Power tolerance	(+5W/-0W) Measurement: STC (standard test conditions)
Temperature coefficients	Pmpp -0,37 %/K Uoc -90,7 mV/K Isc +2,85 mA/K
Max. reverse over current	15 A
Operation temperature	+85°C up to -40°C
Cable length	2 x 1000mm
Bypass diodes	3 pcs.
Efficiency guarantee	min. 97% in the first year, afterwards max. 0,70 % reduction p.a. up to 25 years
Product guarantee	12 years

Technical data

incl. frame	1680mm x 1002mm x 40mm (+/-2mm)
Weight	19,50kg
Glass specification	Solarglas Interfloat Deflect 3,2mm
Test certificate	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730; IP 65
Extended hail test	Qualification for HW4
Salt mist corrosion test	A minimum of 96 hours continuous exposure to a highly concentrated salt mist
Ammonia resistance	1500h at 750ppm Ammonia concentration
Packaging	24 modules / pal., 720 modules / truck



Special DEFLECT glass:
 // Light transmission 94,9%
 // Light reflection front side <20,000cd/m²
 // less light reflection



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 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%