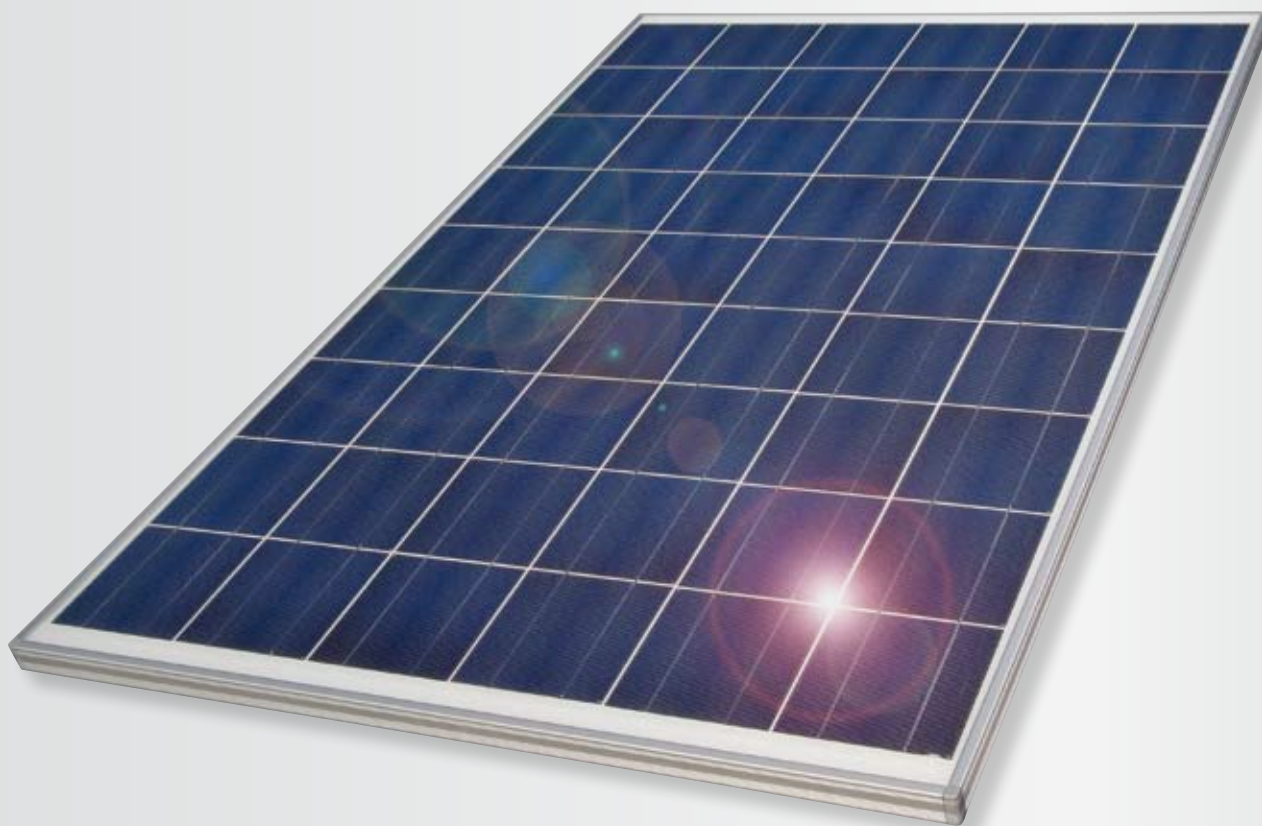




KIOTO
PHOTOVOLTAICS

KPV PE NEC
190 / 195 / 200 / 205 / 210 Wp

quality: **first**



For a number of years, KIOTO Photovoltaics GmbH has been manufacturing first class photovoltaic modules, which surpass all the quality standards stipulated in European markets. The highly efficient multi-crystalline solar modules on a 6"-wafer base are manufactured exclusively in Austria using the very latest equipment. Innovative testing ensures exact technical performance data for each individual module. The solar modules with power from 190 to 210 Wp are delivered with aluminium frames and junctions. A Tyco junction box is fixed as standard. Only top-quality solar modules leave the KIOTO PV production line. These solar modules, designed for a high output of power and profit, are mainly used in systems coupled with on grid systems.

Power Classes:

KPV PE NEC

Type	P _{mpp} [W _p]	U _{mpp} [V]	I _{mpp} [A]	U _{oc} [V]	I _{sc} [A]	efficiency rate	area per kWp
KPV 190 PE	190 Wp	25,91 V	7,38 A	32,13 V	7,68 A	12,71 %	7,84 m ²
KPV 195 PE	195 Wp	26,08 V	7,49 A	32,71 V	8,08 A	13,04 %	7,64 m ²
KPV 200 PE	200 Wp	26,34 V	7,63 A	32,91 V	8,30 A	13,38 %	7,45 m ²
KPV 205 PE	205 Wp	26,39 V	7,80 A	33,08 V	8,33 A	13,71 %	7,26 m ²
KPV 210 PE	210 Wp	26,47 V	7,96 A	33,26 V	8,59 A	14,05 %	7,09 m ²

54 multi-crystalline cells, 156mm x 156mm			
Tyco-Solarlok®, max. system voltage 1000 V DC,			
Power tolerance:	(+ 3% / - 1,5%)*		
Temperature coefficients:	P _{mpp} = -0,405%/K	U _{oc} = -102,6mV/K	I _{sc} = +4,1mA/K
Standard test conditions (STC):	AM1,5 / 1000W per m ² / 25°C		
Ambient temperature:	+ 85°C bis - 40°C		
Cable length:	2000mm		
Bypass diodes:	3 pcs. Tyco SL1515		
Efficiency guarantee:	90% for 10 years	80% for 25 years	
Product guarantee:	5 years		

* Measurement: STC (standard test conditions)

Technical Data:

Dimensions:

With aluminium frame:	1507mm x 992mm x 33mm (+/-2 mm)
Laminate:	1500mm x 985mm x 4,5mm (can height 22,5mm)
Weight:	16,50kg
Glass specification:	Solar glass ESG 3,2mm
Encapsulation material:	Etimex
Backside material:	Isovolta, Krempel
Test certificate:	Protection class II**, IP 65, IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa

** up to 1000 V

Dimensions:

