



KIOTO
PHOTOVOLTAICS

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



**KIOTO is located
in Austria.**

**Photovoltaic
Modules**



The most modern photovoltaic
producer worldwide.
From Austria.



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.



KPV PE QCells

Power Classes:

Type	P_{mppt}	U_{mppt}	I_{mppt}	U_{oc}	I_{sc}	efficiency rate	area per kWp
KPV 190 PE	190 Wp	25,72 V	7,43 A	32,37 V	8,03 A	12,71 %	7,84 m ²
KPV 195 PE	195 Wp	25,80 V	7,59 A	32,42 V	8,11 A	13,04 %	7,64 m ²
KPV 200 PE	200 Wp	25,83 V	7,79 A	32,51 V	8,27 A	13,38 %	7,45 m ²
KPV 205 PE	205 Wp	25,98 V	7,93 A	32,57 V	8,44 A	13,71 %	7,26 m ²
KPV 210 PE	210 Wp	26,23 V	8,02 A	32,80 V	8,46 A	14,05 %	7,09 m ²

Technical Data:

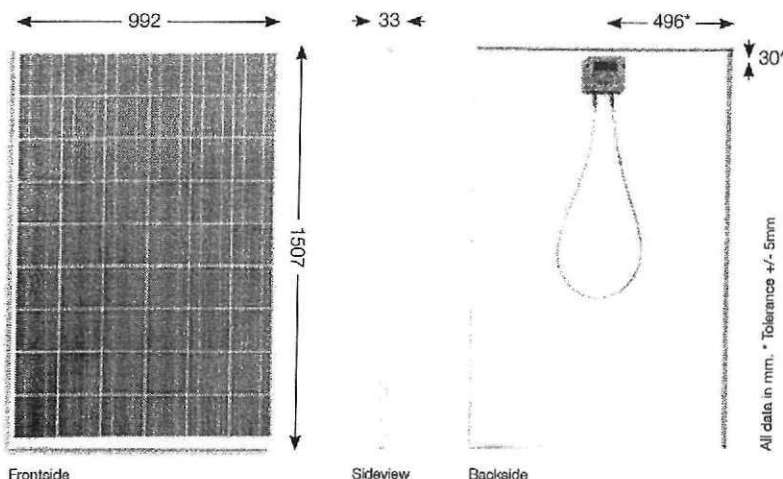
54 multi-crystalline cells:	156mm x 156mm
Tyco-Solarlok®:	max. system voltage 1000 V DC,
Power tolerance:	(+ 3% / - 0%)*
Temperature coefficients:	$P_{mppt} = -0,46\%/K$ $U_{oc} = -116,1mV/K$ $I_{sc} = +4,40mA/K$
Standard test conditions (STC):	AM1,5 / 1000 W per m ² / 25°C
Ambient temperature:	+ 85°C to - 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)



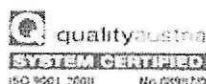
Dimensions:

With aluminium frame:	1507 mm x 992 mm x 33 mm (+/- 2 mm)
Laminate:	1500 mm x 985 mm x 4,5 mm (can height 22,5 mm)
Weight with/without frame:	16,50 kg / 15,50 kg
Glass specification:	Solar glass ESG 3,2 mm
Encapsulation material:	Etimex
Backside material:	Isovolta, Krempel
Test certificate:	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730, IP 65



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