

KPV PE QCells
195/200/205/210 Wp

KIOTO is 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 195 to 210 Wp are delivered with aluminium frames and glass fibre reinforced edge connectors. As standard a Tyco junction box is used. Only top-quality solar modules leave the KIOTO PV production line. These output and profit optimized solar modules are designed mainly for the use in on grid systems.



KPV PE QCells

Power Classes:

Type	$P_{mpp}_{[Wp]}$	$U_{mpp}_{[V]}$	$I_{mpp}_{[A]}$	$U_{oc}_{[V]}$	$I_{sc}_{[A]}$	efficiency rate	area per kWp
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
Connecting System:	Tyco-Solarlok [®] , plug in connector 4 mm ²
Max. system voltage:	1000 V DC
Power tolerance:	(+ 3% / - 0%)*
Temperature coefficients:	$P_{mpp} = -0,46\%/K$ $U_{oc} = -116,1mV/K$ $I_{sc} = +4,40mA/K$
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:	min. 97% in the first year, afterwards max. 0,70% reduction p.a. up to 25 years
Product guarantee:	12 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:	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)
Ammonia resistance:	1500h - 70°C, 70% humidity and 750 ppm ammonia concentration



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

