

PIKCELL GROUP

PiK High Quality PV Modules Series



Polycrystalline PV Modules

PiK250P(60), PiK255P(60), PiK260P(60), PiK265P(60), PiK270P(60), PiK275P(60), PiK280P(60), PiK285P(60)

Best in class quality PiKCELL Group production line is fully automated and include multiple quality checks throughout the production process including Cell Testing, 100% Visual Mirror Inspection, EL Testing and PV Sun Simulator Testing



CERTIFICATES



Made in Republic of North Macedonia



PID free



Module efficiency up to 18.6% and up to 19.4%



Output power tolerances

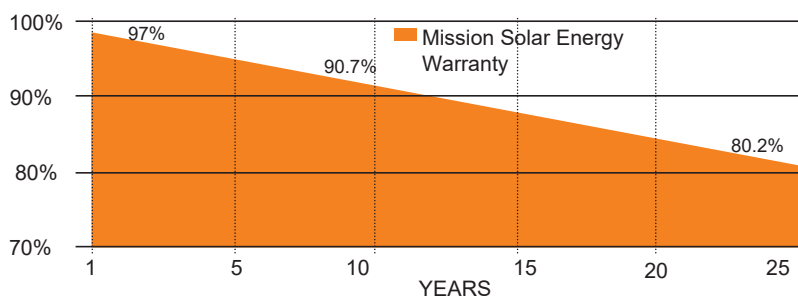


Supremely low degradation



Excellent low light performance

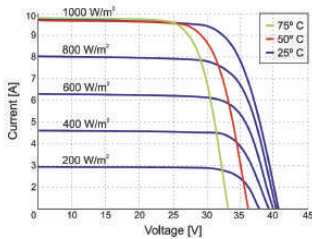
25-YEAR LINEAR WARRANTY



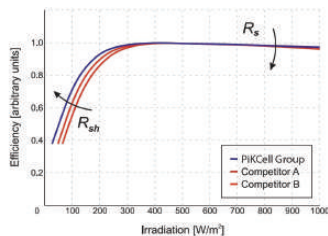
Electrical Specifications @ STC (AM, 5, 1,000W/m², 25°C):

Module Type	PiK250P(60)	PiK255P(60)	PiK260P(60)	PiK265P(60)	PiK270P(60)	PiK275P(60)	PiK280P(60)	PiK285P(60)
Nominal Power P _{mpp} (W)	250W	255W	260W	265W	270W	275W	280W	285W
Short Circuit Current I _{sc} (A)	9.18	9.19	9.20	9.22	9.29	9.31	9.45	9.53
Open Circuit Voltage Voc (V)	36.29	36.81	37.08	37.33	38.05	38.30	38.40	38.63
MPP Current I _{mp} (A)	8.55	8.57	8.62	8.67	8.70	8.73	8.85	8.93
MPP Voltage V _{mp} (V)	29.32	29.74	30.16	30.57	31.12	31.48	31.61	31.89
Module Efficiency η _m (%)	16.37	16.86	17.29	17.61	17.98	18.30	18.66	18.84

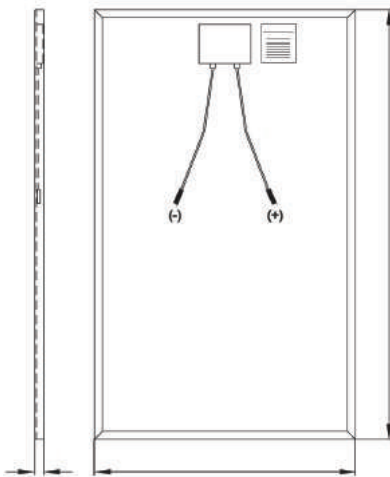
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



Effective Efficiency



Dimensions



Length 1640 mm
Width 990 mm
Thickness 40 mm

PiKCELL Group

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Power Output Tolerance	± 3%
Maximum Reverse Current	29.32 A
Maximum System Voltage	1,000 V (Application Class A)
Additional power classes available upon request. Power measurement tolerance: ~3%	

Thermal Specifications

Current temperature Coefficient	+ 0,046 %/°C
Voltage Temperature Coefficient	- 0.30 %/°C
Power Temperature Coefficient	-0.39 %/°C
NOCT	44 °C
Temperature Range	-40 °C to + 85 °C

Mechanical Specifications

Length x Width x Thickness	1640 mm x 990 mm x 35 mm
Weight	17.2 kg
Solar Cells	60 poly c-Si in series / 156 mm x 156 mm (6+)
Junction Box / Connectors	Five bypass diodes / MC4 compatible / IP 67
Frame	Anodized AL with drainage holes / rigid anchored corners
Glass	3.2 mm glass with anti-reflective coating / tempered / high –transparency / low-iron content
Packaging	26 modules per pallet / stackable 2 pallets high
Certified Nominal Load (snow/wind)	5,400 Pa / 2,400 Pa
Impact resistance	Hailstone / ϕ 25 mm / 83 km/h (51 mph)

All unspecified tolerances are ~3%. Unspecified product properties remain under full discretion of PiKCell Group.

Dealer information

www.pikcellgroup.mk

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