

# PIKCELL GROUP



## PiK High Quality PV Modules Series

### Polycrystalline PV Modules / PiK280P(60)/ PiK320P(72)

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



Made in Macedonia



PID Free



Module efficiency up to 18.6% and up to 19.4%



Output power tolerances

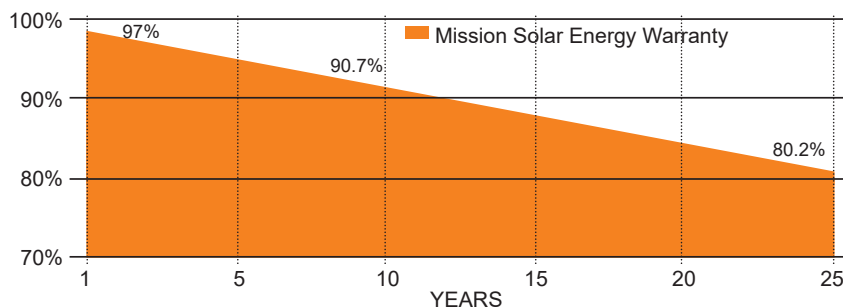


Supremely low degradation



Excellent low light performance

### 25-YEAR LINEAR WARRANTY

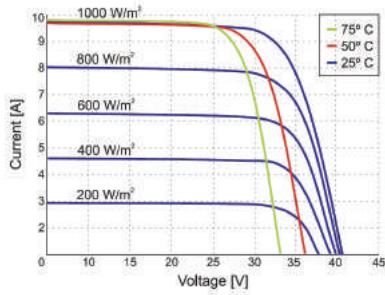


### CERTIFICATES



## Electrical Specifications @ STC (AM, 5, 1,000W/m<sup>2</sup>, 25°C):

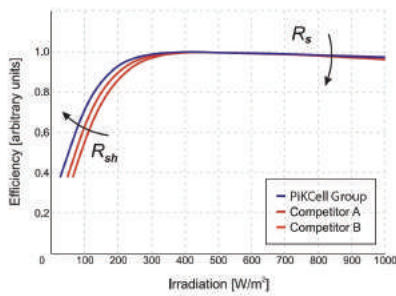
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



Module Type		PiK280P(60)	PiK320P(72)
Nominal Power	P <sub>mpp</sub> (W)	280	320
Short Circuit Current	I <sub>sc</sub> (A)	9.45	9.10
Open Circuit Voltage	V <sub>oc</sub> (V)	38.40	46.14
MPP Current	I <sub>mpp</sub> (A)	8.85	8.40
MPP Voltage	V <sub>mpp</sub> (V)	31.61	38.32
Solar Cell Efficiency	η <sub>c</sub> (%)	19.1	18.1
Module Efficiency	η <sub>m</sub> % (%)	18.66	17.9
Power Output Tolerance		± 3%	
Maximum Reverse Current		18 A	
Maximum System Voltage		1,000 V (Application Class A)	

Additional power classes available upon request. | Power measurement tolerance: ~3%.

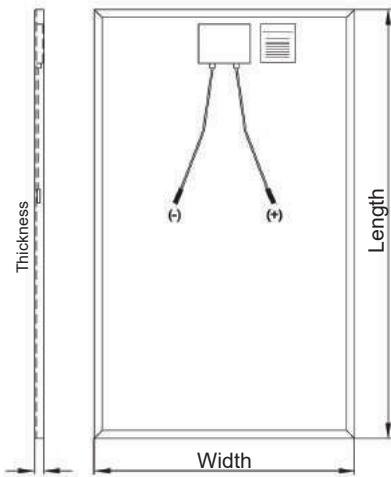
Effective Efficiency



## Thermal Specifications

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

Dimensions



Length 1640 mm    Length 1950 mm  
Width 990 mm    Width 990 mm  
Thickness 40 mm    Thickness 40 mm

## Mechanical Specifications

Length x Width x Thickness	1640 mm x 990 mm x 40 mm 1950 mm x 990 mm x 40 mm
Weight	17.2 kg 20.8 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.

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## Dealer information

[www.pikcellgroup.mk](http://www.pikcellgroup.mk)

Additional terms & conditions apply. Please see **Standard limited Warranty and General Terms and Conditions**.  
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