

PIKCELL GROUP



PiK High Quality PV Modules Series

Monocrystalline PV Modules / PiK280M(60)/ PiK340M(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 18.9%



Output power tolerances

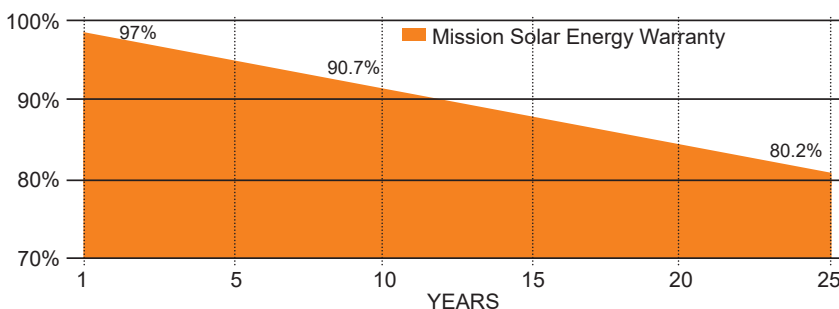


Supremely low degradation



Excellent low light performance

25-YEAR LINEAR WARRANTY



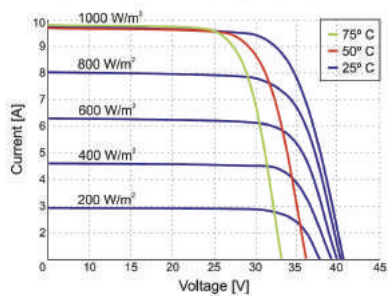
CERTIFICATES



IEC 61215:2005, IDT; EN 61215:2005, IDT
IEC 61730-1:2016, IDT; EN IEC 61730-1:2018, IDT
IEC 61730-2:2004, IDT; EN IEC 61730-2:2018, IDT

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

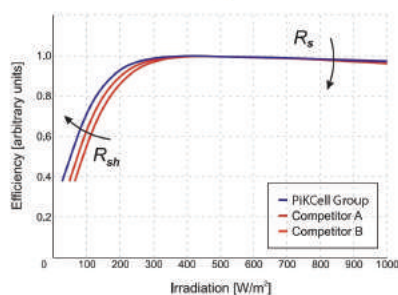
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



| Module Type | | PiK280M(60) | PiK340M(72) |
|-------------------------|----------------------|-------------------------------|-------------|
| Nominal Power | P _{mpp} (W) | 280 | 340 |
| Short Circuit Current | I _{sc} (A) | 8.98 | 9.49 |
| Open Circuit Voltage | V _{oc} (V) | 39.16 | 46.35 |
| MPP Current | I _{mpp} (A) | 8.23 | 8.95 |
| MPP Voltage | V _{mpp} (V) | 34.33 | 38.02 |
| Solar Cell Efficiency | η _c (%) | 19.9 | 19.9 |
| Module Efficiency | η _m % (%) | 18.6 | 18.9 |
| 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%.

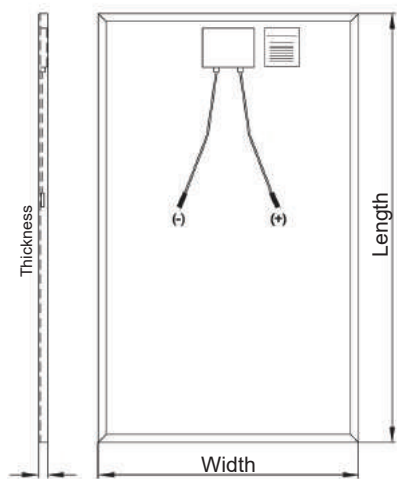
Effective Efficiency



Thermal Specifications

| | |
|-----------------------------------|-------------------|
| Current temperature Coefficient α | + 0,046 %/K |
| Voltage Temperature Coefficient β | - 0.30 %/K |
| Power Temperature Coefficient γ | -0.39 %/K |
| 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.

PiKCELL Group LTD

Address:
 Bul. 3rd Macedonian Brigade 54,
 1000 Skopje
 R.Macedonia

tel. +389 2 2446 999
 email: contact@pikcellgroup.mk
www.pikcellgroup.mk

Dealer information

www.pikcellgroup.mk

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