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PVHITECH
Harnessing Solar Power for a Better Future

# PV Poly Series Photovoltaic Module

## Peak Power: 245 - 260Wp

**Certified by TUV Cert.**
Module is European standard

**PID free**
Worldwide first PID free module under 85°C / 85% RH condition: No power loss caused by potentioal induced degradation.

**More electricity output**
Up to 5% more output compared with average module

**Excellent low light performance**
Better performance under low light environment (early morning, nightfall, cloudy days)

**Positive power tolerance**
Power tolerance waranty of 0, +5%

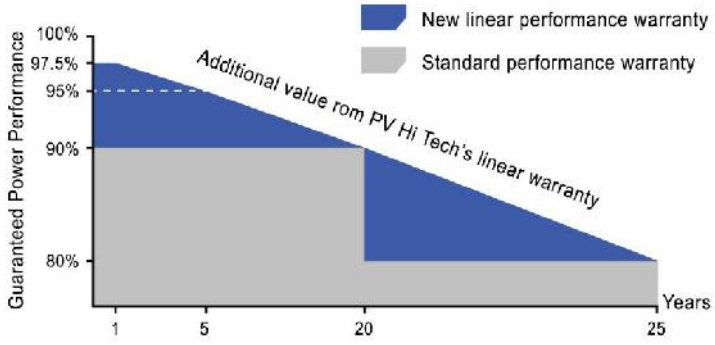
**25-years linear performance warranty**
3% in the first year, thereafter 0.7% per year, ending with 80% in the 25th years


Made in Malaysia

## Quality, Reliability, and Yield

Our moduless are powered by some of the highest performance and most reliable silicon cells in the solar industry. The modules are engineered and tested to the highest possible quality standards and are recognized throughout the world for their ability to deliver lifetime performance and, most importantly, maximized kWh yield.

**Premium Performance Warranty**




*Based on customer requirements and contract terms

IEC61215, IEC61730, IEC61701, IEC62716 certified products

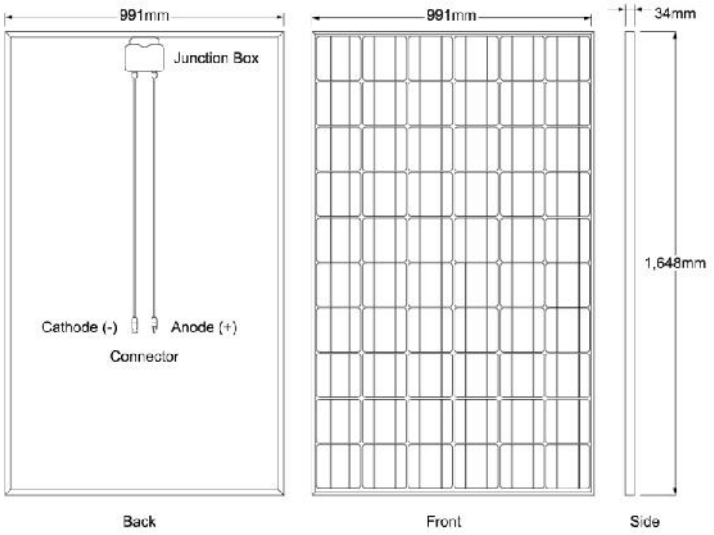
Certifications and standards:
IEC 61215, IEC 61730, confortimity to CE

Powered by:

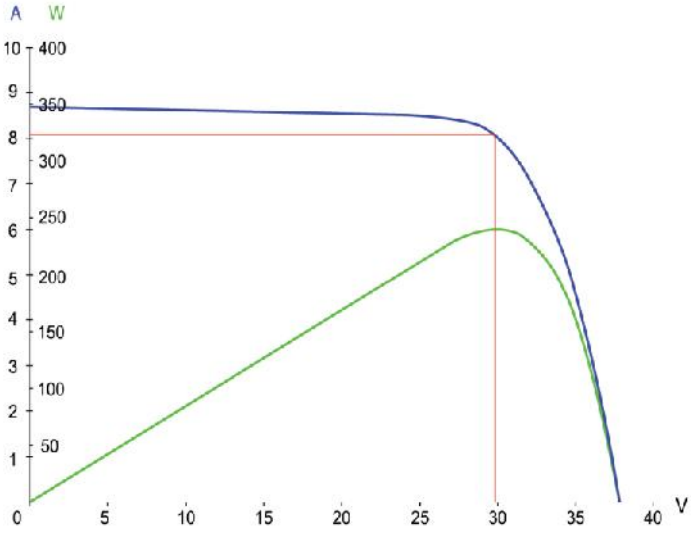
MOTECH
A Delaware Solar Company

# PV Poly Series Photovoltaic Module

## Physical Characteristics




## IV Curve




## Physical Design Properties

| | |
|---|---|
| Weight | 43.7 lb [19.8kg] |
| Maximum Tested Load | ±50 psf [2400 Pa]/ +113 psf [5400 Pa]* |
| Hailstone Impact Resistance | 1" @ 50mph [25mm @80 kph] |
| Junction Box | IP65 rated |
| Output Cables | 4.0mm² Universal PV Wire, 1000mm [39.4in] |

*Refer to module installation instructions for maximum loading configurations.

## Electrical Performance

| Model Name | PV 240 | PV 245 | PV 250 | PV 255 | PV 260 |
|---|---|---|---|---|---|
| Numbers of Cells | 60 Cells in Series | | | | |
| Nominal Power @ STC (W) | 240.00 | 245.00 | 250.00 | 255.00 | 260.00 |
| Open Circuit Voltage (Voc) | 37.95 | 38.09 | 38.26 | 38.37 | 38.41 |
| Short Circuit Voltage (Isc) | 8.67 | 8.79 | 8.90 | 9.12 | 9.22 |
| Maximum Power Voltage (Vmp) | 30.51 | 30.95 | 32.78 | 33.77 | 34.29 |
| Maximum Power Current (Imp) | 7.88 | 8.08 | 8.17 | 8.37 | 8.46 |
| Dimensions | 1648mm x 991mm x 34mm | | | | |
| Weight | 20kg | | | | |

## Electrical Performance Parameters

| | | | | |
|---|---|---|---|---|
| Isc Temperature Coefficient | α(%/°C) | +0.07 ±0.02 | Max. Series Fuse | 15A |
| Voc Temperature Coefficient | β(%/°C) | -0.34 ±0.01 | Max. System Voltage | 600V, 1000V |
| Pmax Temperature Coefficient | ϒ(%/°C) | -0.46 ±0.02 | Normal Operating Cell Temp. (NOTC) | 48°C ±2°C |
| Efficiency Reduction at 200W/m², 25°C | | <5% | Limiting Reserve Current (Ir) | 8.7A |

IV parameters are rated at Standard Test Conditions (Irradiance of 1000 W/m², AM 1.5, cell temperature 25°C). All measurements are guaranted at the laminate leads. NOTC is measured at 800 W/m², 20°C ambient, and 1 m/s windspeed. Specifications are subject to change without notice, PV Hi-Tech reserves the rights of final interpretation and revision on this datasheet.

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