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Email: **contact@energypal.com**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**PV Hi Tech Solar Sdn. Bhd**  
**PV240-260**  
**PV240**

Also available on the web at  
[EnergyPal.com/pv-hi-tech-solar-sdn-bhd-solar-panels/pv240](http://EnergyPal.com/pv-hi-tech-solar-sdn-bhd-solar-panels/pv240)

## 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 potential 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 warranty 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



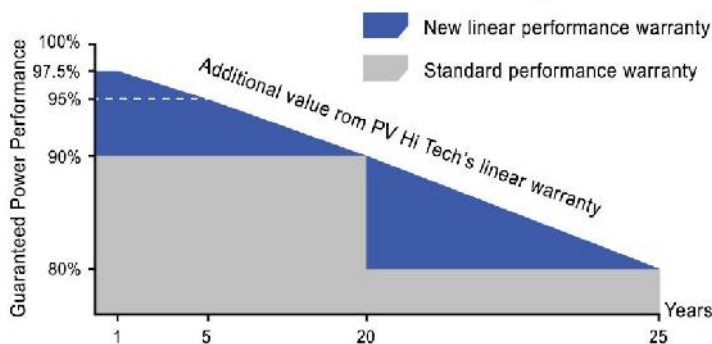
Made in Malaysia



## Quality, Reliability, and Yield

Our modules 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, conformance to CE



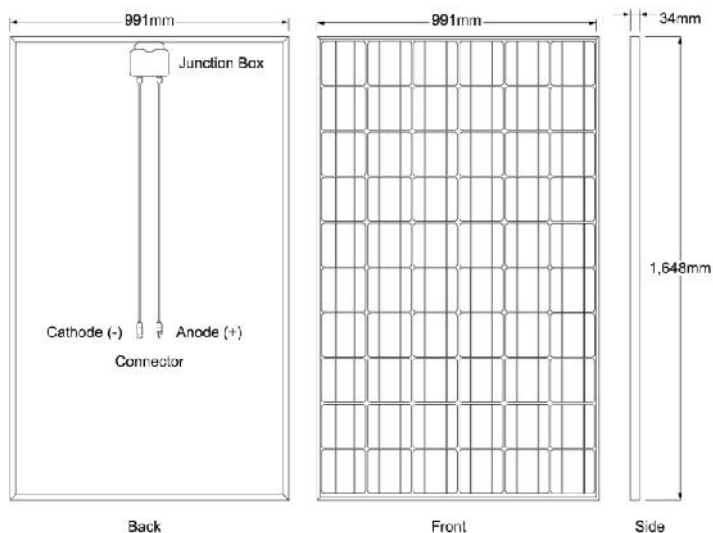
Powered by:



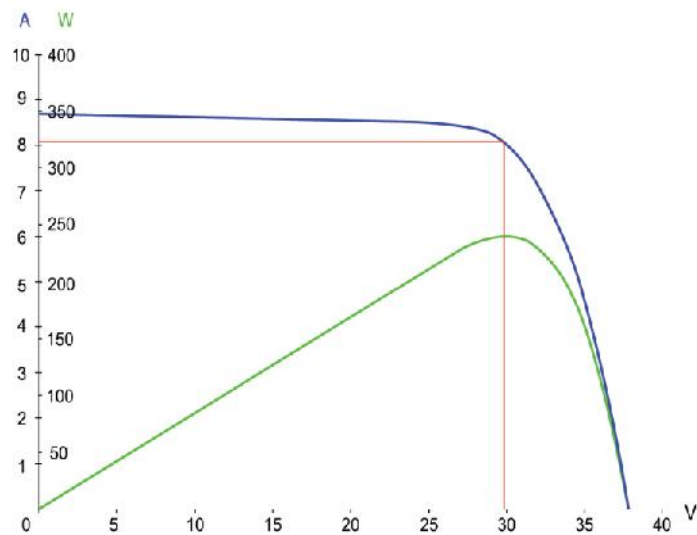
A Delaware Solar Company

# 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	4.0mm <sup>2</sup> 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 Current (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	$\alpha$ (%/°C)	+0.07 ±0.02	Max. Series Fuse	15A
Voc Temperature Coefficient	$\beta$ (%/°C)	-0.34 ±0.01	Max. System Voltage	600V, 1000V
Pmax Temperature Coefficient	$\gamma$ (%/°C)	-0.46 ±0.02	Normal Operating Cell Temp. (NOTC)	48°C ±2°C
Efficiency Reduction at 200W/m <sup>2</sup> , 25°C		<5%	Limiting Reserve Current (Ir)	8.7A

IV parameters are rated at Standard Test Conditions (Irradiance of 1000 W/m<sup>2</sup>, AM 1.5, cell temperature 25°C). All measurements are guaranteed at the laminate leads. NOTC is measured at 800 W/m<sup>2</sup>, 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.

# PVHITECH

● Harnessing Solar Power for a Better Future ●

**PV HI-TECH SOLAR SDN. BHD.**

Lot 2282, Kampung Haji Sulaiman, Lubok Cina, 71300 Negeri Sembilan, Malaysia.

Tel: +60 6 6966 095 Mobile: +60 17 2367 455

E-mail: pvwhitechsolar@yahoo.com

[www.pvwhitechsolar.com](http://www.pvwhitechsolar.com)