- Premiumodules powered by 3BB G2 cells from Q cells
- High Performance Modules with Efficiency up to 14.5%
- 1EC 61215 & 61730 certified
- 10 years Limited Product Guarantee
- ISO 9001 & 14001 certified
- Ranked # 6 in annual yield test by Photon, Germany
- High Resistance to mechanical loads/Snow Load upto 5400 PA
- Positive Power tolerance -0/+3%

Premium Quality: PV Power Tech, modules are manufactured using state-of-the-art automated manufacturing processes that ensure consistency in production and high quality standards. Our manufacturing standards adhere to the strict guidelines laid down by ISO 9001 certifications. The PVQ3 series of panels have been tested by Photon consulting group and rank #6 for their performance (2010).

Certifications: PVQ3 Series panels are certified for industry standard IEC 61215 (design and performance) and IEC 61730 (Safely Class II) certifications by TUV Intercert.

Flexible Applications: Our panels are suitable for a wide range of applications - from individual homes to industrial roofs and ground-mounted systems. They are compatible with all industry standard mounting systems as well as inverters. The PVQ3 series is available as both framed and laminates and is designed for ease of installation. Additionally, customization with black back sheet and black frames is also offered for an aesthetically appealing product.

Next generation technology: PVQ3 series panels are powered by next generation 3 bus bar polycrystalline cells from Q Cells, Germany. The 3 bus bar cells provide higher efficiency with lower series resistance and also help with lower operating temperatures ensuring higher outputs from the module. The cells are engineered for high performance under a wide spectrum of lights ensuring good outputs under low light conditions The next generation cells clubbed with premium materials and superior manufacturing techniques ensure a module that outperforms most in the industry.

Reliability: The PVQ3 series panels are backed by a standard 10 years limited manufacturing warranty and power warranties of 90% of the minimum output power for 10 years and 80% of the minimum output power for 25 years[1].

[1]Note
1. PV Power Tech reserves the right to change the specification without prior notice.
2. All measurements and warranty/guarantee applicability under standard test conditions (1000W/m2, 25°C, AM 1.5)

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Electrical Characteristics:

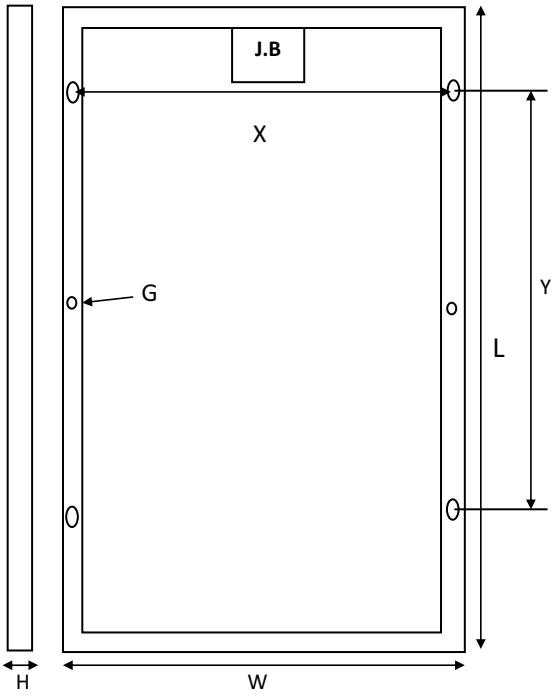
Model Name	PVQ3 235	PVQ3 240	PVQ3 245	PVQ3 250
Cell Configurations (Nos.)	10 x 6 (60)			
Pmax (W) (Tolerance: +3% , -0)	235	240	245	250
Voc (V) (Tolerance ±3%)	37.20	37.4	37.6	37.75
Isc (A) (Tolerance ±3%)	8.47	8.51	8.55	8.60
Vmax (V) (Tolerance ±3%)	29.55	30.05	30.50	31.00
Imax (A) (Tolerance ±3%)	7.96	8.00	8.04	8.07
Module Efficiency (%)	14.5	14.8	15.1	15.4
Maximum System Voltage (DC)	1000			
Series Fuse Rating (A)	15			
Nominal Operating Cell Temp. (°C)	44.6			
Temp. Coefficient of Pmax (%/°C)	-0.45			
Temp. Coefficient of Voc (%/°C)	-0.36			
Temp. Coefficient of Isc (%/°C)	0.043			

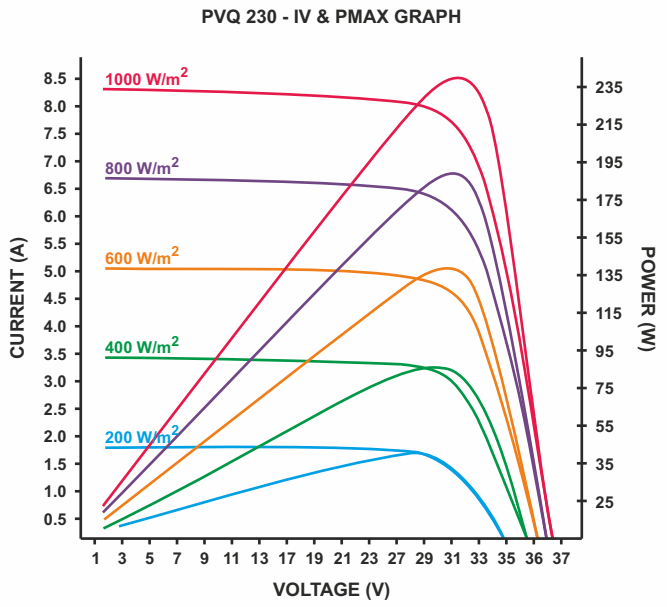
Electrical values measured at STC: 25°C, 1.5AM, 1000 W/m²

Mechanical Characteristics:

Module Dimensions (mm)	1639 x 989 x 35
Module Weight (Kg)	19
Maximum Load / Snow load (Pascal)	2400 / 5400
Junction Box	TUV approved, IP 65 rated 4 terminal Junction Box with 3 bypass diodes
Output interconnect Cable	1000 mm long 4.0 mm² cables for positive and negative connections with MC-4 compatible connectors

Dimensions & Mounting Holes:





Mounting Hole Characteristics:

Mounting Holes	12 mm x 8mm (Oblong, 4 nos.)
X - Pitch =	949 mm ±1 mm
Y1 - Pitch =	839 mm ±1 mm
G = Grounding	Φ 5 mm
Water Drainage	10 mm x 3 mm (Rectangle)

Certificates:
The Modules are certified to IEC 61215 & IEC 61730, Electrical Protection Class II and the CE- guidelines. Moreover PV Power Tech is certified & Registered to ISO 9001 and ISO 14001.

Note:
1. PV Power Tech reserves the right to change the specification without prior notice.
2. All measurements and warranty/guarantee applicability under standard test conditions (1000W/m2, 25°C, AM 1.5)

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