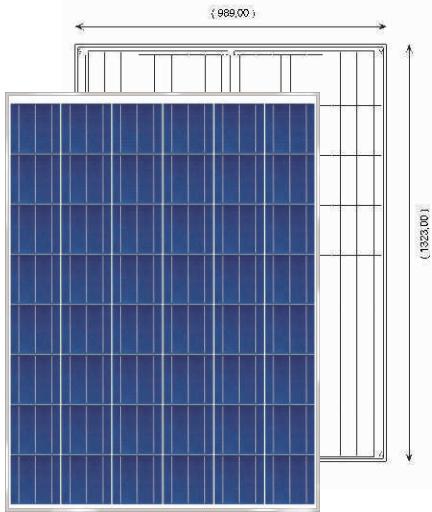
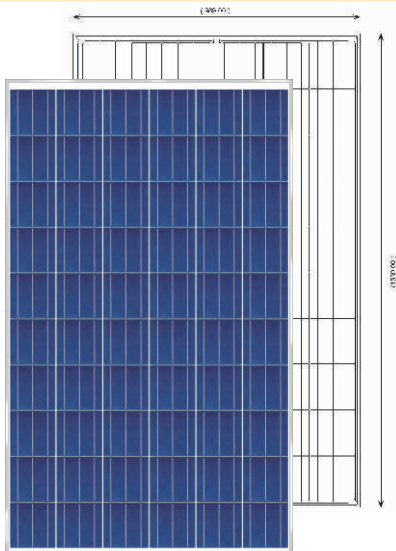
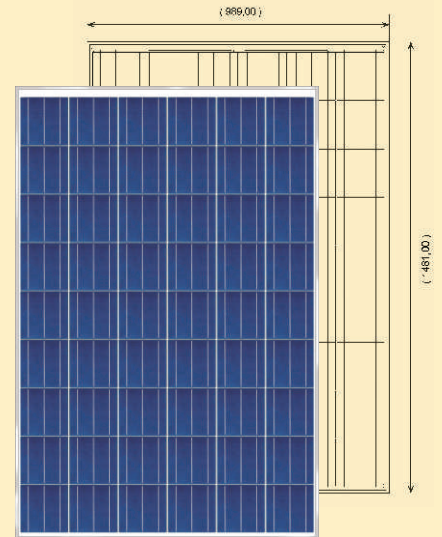


PVQ3 Series



Model Name	PVQ3 180	PVQ3 185
Number of cells	48 cells in a series	
Maximum Power (-0/+3%) (Wp)	180W	185W
Open circuit voltage (Voc)	30.10 V	30.40 V
Short circuit current (Isc)	8.00 A	8.20 A
Maximum power voltage (Vmp)	23.84 V	24.00 V
Maximum power current (Imp)	7.56 A	7.72 A
Cell Efficiencies	15.60% and above	16.00% and above
Dimensions	1323mm (L) x 989mm (B) x 35mm (H)	
Weight	16.5 Kgs	
Module Efficiencies	13.8%	14.1%

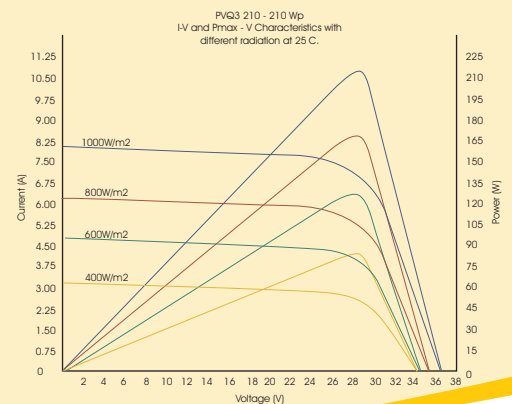
Model Name	PVQ3 200	PVQ3 205
Number of cells	54 cells in a series	
Maximum Power (-0/+3%) (Wp)	200W	205W
Open circuit voltage (Voc)	34.90 V	35.10 V
Short circuit current (Isc)	7.85 A	8.00 A
Maximum power voltage (Vmp)	26.75 V	27.15 V
Maximum power current (Imp)	7.49 A	7.56 A
Cell Efficiencies	15.40% and above	15.80% and above
Dimensions	1481mm (L) x 989mm (B) x 35mm (H)	
Weight	18 Kgs	
Module Efficiencies	13.7%	14.0%



Model Name	PVQ3 220	PVQ3 225	PVQ3 230
Number of cells	60 cells in a series		
Maximum Power (-0/+3%) (Wp)	220 W	225 W	230 W
Open circuit voltage (Voc)	36.71 V	37.29 V	37.46 V
Short circuit current (Isc)	8.09 A	8.20 A	8.26 A
Maximum power voltage (Vmp)	29.52 V	29.70 V	30.01 V
Maximum power current (Imp)	7.46 A	7.58 A	7.68 A
Cell Efficiencies	15.0% and above	15.4% and above	15.8% and above
Dimensions	1639mm (L) x 989mm (B) x 35mm (H)		
Weight	20 Kgs		
Module Efficiencies	13.6%	13.9%	14.2%

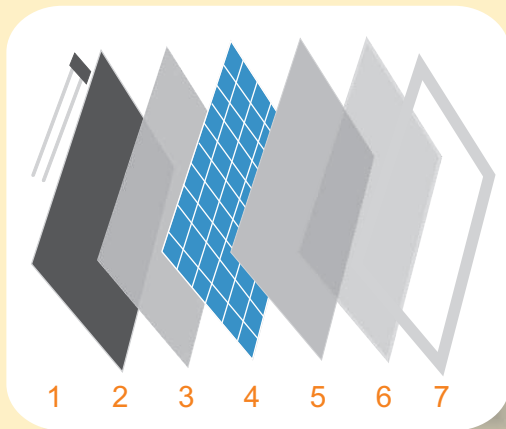
Operating Characteristics

Normal Operating cell temp. (NOCT)	45.5 C
Temperature Coefficient (Pmax)	-0.45%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Isc)	0.079%/°C
Maximum system voltage	DC 1000 V



PVQ3 Series

Module Construction



1. **PV Junction Box** : IP65 compliant junction box with 6 high quality diodes. MC4 compatible connectors ensure a safe and a secure connection.

2. **Backsheet** : Improves weather resistance and increases light reflection, high quality extra white backsheet.

3. **EVA (Ethylene Vinyl Acetate)** : Creates a tight seal and renders the cells its long life.

4. **Cells** : Premium grade high efficiency polycrystalline next generation 3 bus bar cells from Q Cells, Germany.

5. **EVA (Ethylene Vinyl Acetate)**

6. **Glass** : 3.20mm Low Iron Toughened, High Transitivity, Tempered High Impact resistance glass - Textured on the inside to increase reflection and efficiency.

7. **Aluminum Frames** : Robust, Anodized Non-corroding aluminum snap-fit frames with pre-drilled drainage and grounding holes.

High Efficiency cells :

The PVQ3 series is based on premium next generation three bus bar polycrystalline cells from Q Cells, Germany. These cells have lower series resistance; higher fill factor and higher efficiencies.

High Efficiency Modules :

The PVQ3 series has a unique design that maximizes the space available and increases the internal reflection of light to increase the efficiency of the module. The PVQ3 series of modules have a minimum efficiency of 13.0% and go all the way to 14.5%.

PV Power Tech's Quality and Product commitment :

At PV Power Tech, we pride ourselves in using the best quality proven raw materials from industry leaders. The modules are constructed using state of the art automated equipments in our TUV certified manufacturing facility. The PVQ3 series has been tested by TUV Intercert according to the standards of IEC 61215 for design and performance and IEC 61730 (Safety Class II). Our modules are backed by a standard 5 years 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.

Application :

The PVQ3 series is designed for a wide variety of application from stand-alone autonomous applications to grid-connected installations. The PVQ3 series is available as both framed and laminates and is designed for ease of installation.

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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