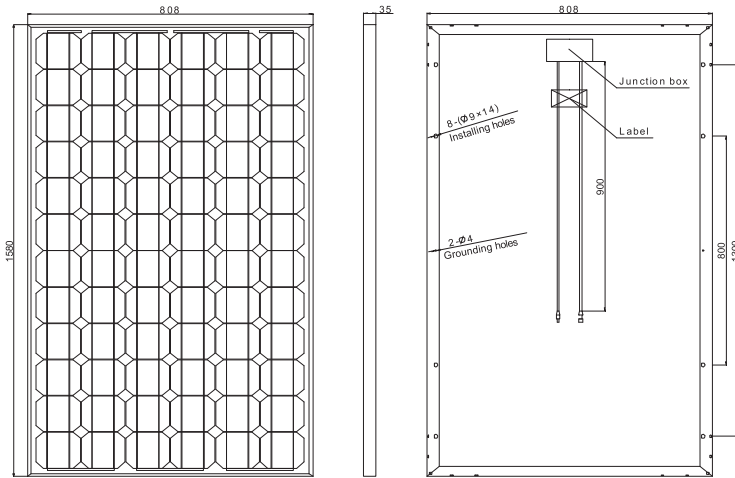
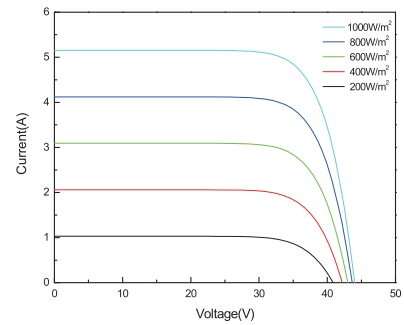


# 165 – 190 Watt Monocrystalline Silicon Module

## Dimensions for PV Module



## I-V Curves of PV Module



## Certification



## Electrical Data

Module Type	Rated Maximum Power (Pmax)	Output Tolerance	Current at Pmax (Imp)	Voltage at Pmax (Vmp)	Short-Circuit Current (Isc)	Open-Circuit Voltage (Voc)
DQ190MFAa/b	190	±3%	5.21	36.5	5.30	45.5
DQ185MFAa/b	185	±3%	5.11	36.2	5.25	45.3
DQ180MFAa/b	180	±3%	5.00	36.0	5.20	45.0
DQ175MFAa/b	175	±3%	4.86	36.0	5.17	44.8
DQ170MFAa/b	170	±3%	4.74	35.9	5.12	44.5
DQ165MFAa/b	165	±3%	4.61	35.8	5.10	44.0
Power Temperature Coefficient						-0.40%/K
Open-Circuit Voltage Temperature Coefficient						-0.31%/K
Short-Circuit Current Temperature Coefficient						0.06%/K

Nominal Operating Cell Temperature (NOCT): 45±2°C

All Technical Data at STC: AM1.5 E=1000W/m<sup>2</sup> Tc=25°C

## General Data

Cell Type	125×125mm Mono-crystalline
Cell Configuration	72 (6×12) PCS in series
Dimensions	1580×808×35mm
Weight	15kg
Front Glass	3.2mm, high transmission, low iron, tempered glass
Junction Box	IP65 Rated
Cables	4.0mm <sup>2</sup> , Length: 900mm
Frame	Anodized aluminium-alloy

## Packing Configuration

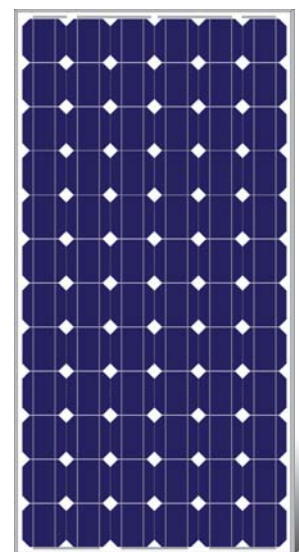
Packing Configuration	29pcs / Carton
Quantity/Pallet	1 Carton / Pallet
Loading Capacity	812pcs / 40ft

## Maximum Ratings

Operating Temperature	-40~+85°C
Storage Temperature	-40~+85°C
Maximum System Voltage	TUV 1000V DC UL 600V DC
Number of Bypass Diodes	3pcs
Maximum Series Fuse	10A

## Warranty

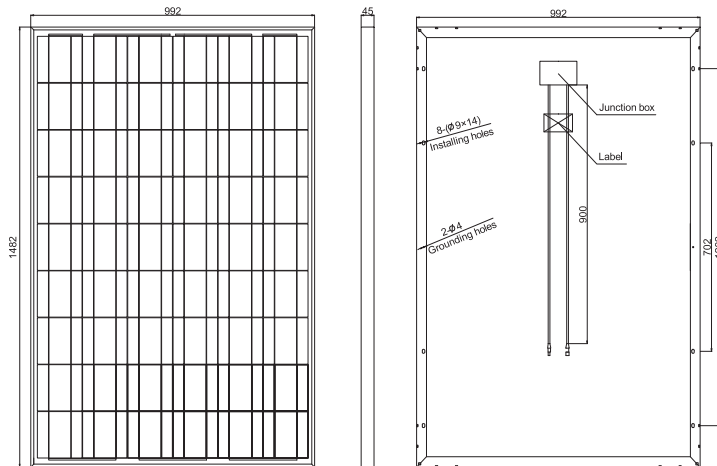
- 5 years manufacturing warranty
- 12 years warranty, 90% power output
- 25 years warranty, 80% power output



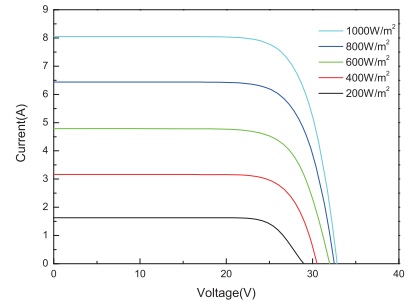
CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THIS PRODUCT  
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# 170 – 210 Watt Polycrystalline Silicon Module

## Dimensions for PV Module



## I-V Curves of PV Module



## Certification



## Electrical Data

Module Type	Rated Maximum Power (Pmax)	Output Tolerance	Current at Pmax (Imp)	Voltage at Pmax (Vmp)	Short-Circuit Current (Isc)	Open-Circuit Voltage (Voc)
DQ220PSBa	220	±3%	8.09	27.2	8.90	33.2
DQ215PSBa	215	±3%	7.93	27.1	8.72	33.1
DQ210PSBa/b	210	±3%	7.75	27.1	8.47	33.1
DQ205PSBa/b	205	±3%	7.59	27.0	8.38	33.0
DQ200PSBa/b	200	±3%	7.44	26.9	8.24	32.8
DQ195PSBa/b	195	±3%	7.28	26.8	8.06	32.7
DQ190PSBa/b	190	±3%	7.12	26.7	7.98	32.6
DQ185PSBa/b	185	±3%	6.96	26.6	7.80	32.5
DQ180PSBa/b	180	±3%	6.80	26.5	7.72	32.4
DQ175PSBa/b	175	±3%	6.63	26.4	7.64	32.3
DQ170PSBb	170	±3%	6.47	26.3	7.54	32.2

Nominal Operating Cell Temperature (NOCT): 45±2°C	Power Temperature Coefficient	
	Open-Circuit Voltage Temperature Coefficient	-0.46%/K
	Short-Circuit Current Temperature Coefficient	-0.33%/K

All Technical Data at STC: AM1.5 E=1000W/m<sup>2</sup> Tc=25°C

## General Data

Cell Type	156×156mm Poly-crystalline
Cell Configuration	54 (6×9) PCS in series
Dimensions	1482×992×45mm
Weight	17kg
Front Glass	3.2mm, high transmission, low iron, tempered glass
Junction Box	IP65 Rated
Cables	4.0mm <sup>2</sup> , Length: 900mm
Frame	Anodized aluminium-alloy

## Packing Configuration

Packing Configuration	23pcs / Carton
Quantity/Pallet	1 Carton / Pallet
Loading Capacity	690pcs / 40ft

## Maximum Ratings

Operating Temperature	-40~+85°C
Storage Temperature	-40~+85°C
Maximum System Voltage	TUV 1000V DC UL 600V DC

## Warranty

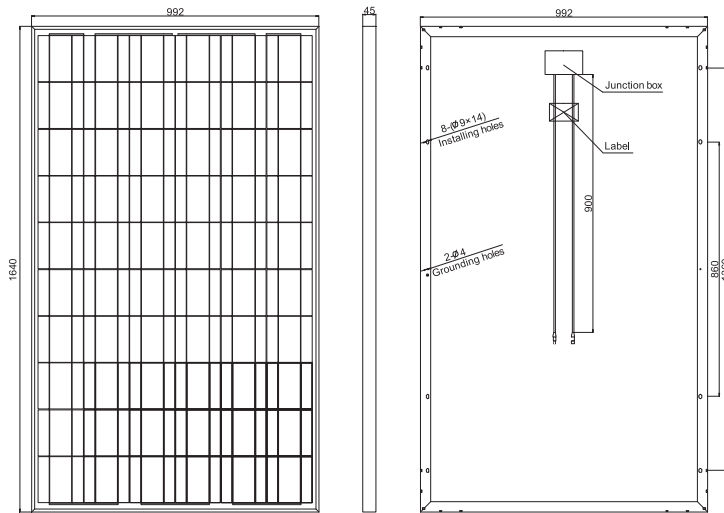
- 5 years manufacturing warranty
- 12 years warranty, 90% power output
- 25 years warranty, 80% power output

Number of Bypass Diodes	6pcs
Maximum Series Fuse	15A

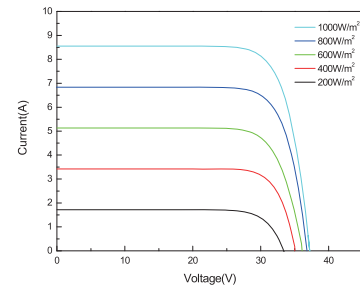


# 200 – 240 Watt Polycrystalline Silicon Module

## Dimensions for PV Module



## I-V Curves of PV Module



## Certification



## Electrical Data

Module Type	Rated Maximum Power (P <sub>max</sub> )	Output Tolerance	Current at P <sub>max</sub> (I <sub>mp</sub> )	Voltage at P <sub>max</sub> (V <sub>mp</sub> )	Short-Circuit Current (I <sub>sc</sub> )	Open-Circuit Voltage (V <sub>oc</sub> )	
DQ245PSCa	245	±3%	8.11	30.2	8.85	37.2	
DQ240PSCa/b	240	±3%	7.95	30.2	8.55	37.0	
DQ235PSCa/b	235	±3%	7.81	30.1	8.44	36.8	
DQ230PSCa/b	230	±3%	7.67	30.0	8.34	36.8	
DQ225PSCa/b	225	±3%	7.53	29.9	8.18	36.7	
DQ220PSCa/b	220	±3%	7.40	29.8	8.12	36.5	
DQ215PSCa/b	215	±3%	7.24	29.7	7.98	36.4	
DQ210PSCa/b	210	±3%	7.08	29.7	7.80	36.2	
DQ205PSCa/b	205	±3%	6.93	29.6	7.66	36.1	
DQ200PSCb	200	±3%	6.78	29.5	7.52	36.0	
Nominal Operating Cell Temperature (NOCT): 45 ± 2 °C						Power Temperature Coefficient	-0.46%/K
						Open-Circuit Voltage Temperature Coefficient	-0.33%/K
						Short-Circuit Current Temperature Coefficient	0.06%/K

All Technical Data at STC: AM1.5 E=1000W/m<sup>2</sup> T<sub>c</sub>=25 °C

## General Data

Cell Type	156 × 156mm Poly-crystalline
Cell Configuration	60 (6 × 10) PCS in series
Dimensions	1640 × 992 × 45mm
Weight	19kg
Front Glass	3.2mm, high transmission, low iron, tempered glass
Junction Box	IP65 Rated
Cables	4.0mm <sup>2</sup> , Length: 900mm
Frame	Anodized aluminium-alloy

## Packing Configuration

Packing Configuration	23pcs / Carton
Quantity/Pallet	1 Carton / Pallet
Loading Capacity	644pcs / 40ft

## Maximum Ratings

Operating Temperature	-40 ~ +85 °C
Storage Temperature	-40 ~ +85 °C
Maximum System Voltage	TUV 1000V DC UL 600V DC
Number of Bypass Diodes	6pcs
Maximum Series Fuse	15A

## Warranty

- 5 years manufacturing warranty
- 12 years warranty, 90% power output
- 25 years warranty, 80% power output

