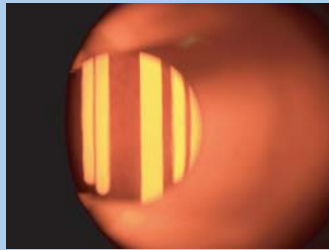




# ENERGY TO SURPRISE



大全新能源有限公司  
DAQO NEW ENERGY CORP.





**Our goal is to provide green power to people around the world.**

**Daqo New Energy has consistently focused on producing high-quality photovoltaic products in a cost-efficient manner, and committed in developing, manufacturing and supplying high quality photovoltaic power generation solutions.**



## A New Era of Renewable Energy



### MODULE CHARACTERISTICS

- **High Quality & Efficiency Crystalline Silicon Cells:** Produced using our ultra pure 9N polysilicon
- **Wide Product Range:** Mono-crystalline module (165-190W) and multi-crystalline module (170-240W, depending on configuration)
- **High Reliability:** Guaranteed with mechanical resistance to severe weather and power output performance. Compliant with IEC 61215 and IEC 61730, Certified by TUV, UL/CUL, CEC, Golden Sun and etc.
- **Tight Tolerance:** We guaranteed the average power output with positive for each container and each shipment
- **Traceability:** We provide flash report for each module and bar code ID embedded inside each module for completely traceability
- **A Wide Range of Applications:** Including independent systems (households, power supply for remote areas, remote systems, etc.) and grid-connected photovoltaic power stations (residential, commercial, industrial power supply systems)
- **Warranty:** 10-year limited product warranty as well as a 25-year limited power warranty for complete peace of mind

Daqo New Energy is one of the largest polysilicon manufacturers in China, and has consistently focused on producing high-quality photovoltaic products in a cost-efficient manner to help our customers in winning new business in the photovoltaic industry.

Having successfully built a world class polysilicon production facility, we utilize this advantage, and combine it with Daqo Group's expertise in the electrical equipment industry to expand into photovoltaic module manufacturing. We have established a 200MW photovoltaic module manufacturing facility in Nanjing, China. The facility is located within the Daqo Industrial Park in Nanjing, Jiangsu, China, and is one of the most automated module manufacturing lines in China. We aim to develop, manufacture and sell high quality and cost-effective photovoltaic modules to a wide range of markets around the world.

### Nanjing Daqo New Energy Co., Ltd.

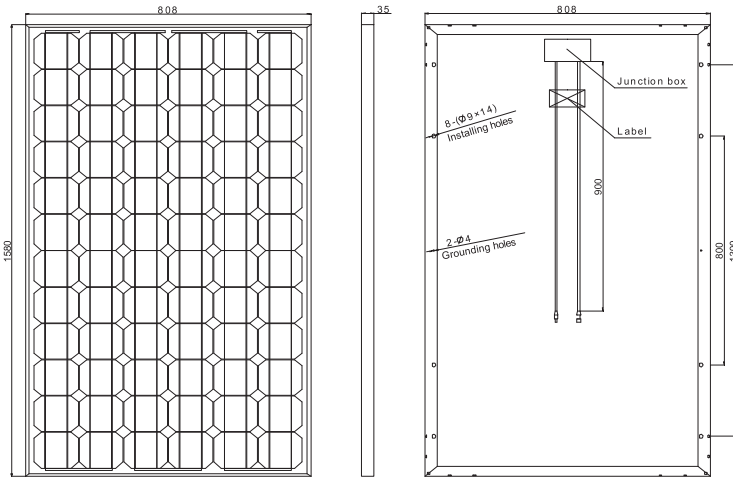
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People's Republic of China

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**Email:** solar@daqo.com

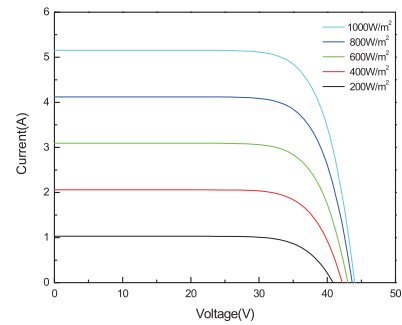
[www.dqsolar.com](http://www.dqsolar.com)

# 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	
Nominal Operating Cell Temperature (NOCT): 45±2°C						Power Temperature Coefficient	-0.40%/K
						Open-Circuit Voltage Temperature Coefficient	-0.31%/K
						Short-Circuit Current Temperature Coefficient	0.06%/K

All Technical Data at STC: AM1.5 E=1000W/m² 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	4.0mm², Length: 900mm
Frame	Anodized aluminium-alloy

## Packing Configuration

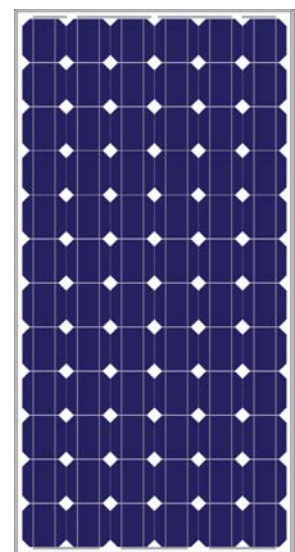
Packing Configuration	29pcs / Carton
Quantity/Pallet	1 Carton / Pallet
Loading Capacity	812pcs / 40ft

## 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

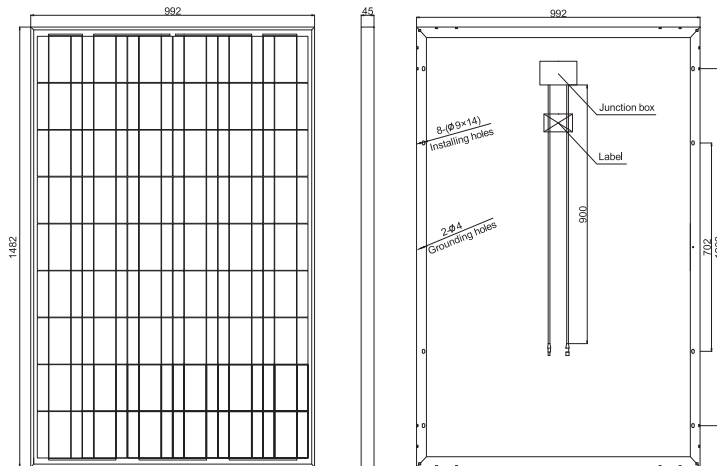
- 10 years manufacturing warranty
- 12 years warranty, 90% power output
- 25 years warranty, 80% power output



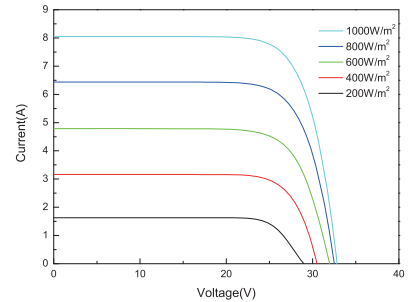
CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THIS PRODUCT  
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# 170 – 210 Watt Polycrystalline Silicon Module

## 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
		0.06%/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

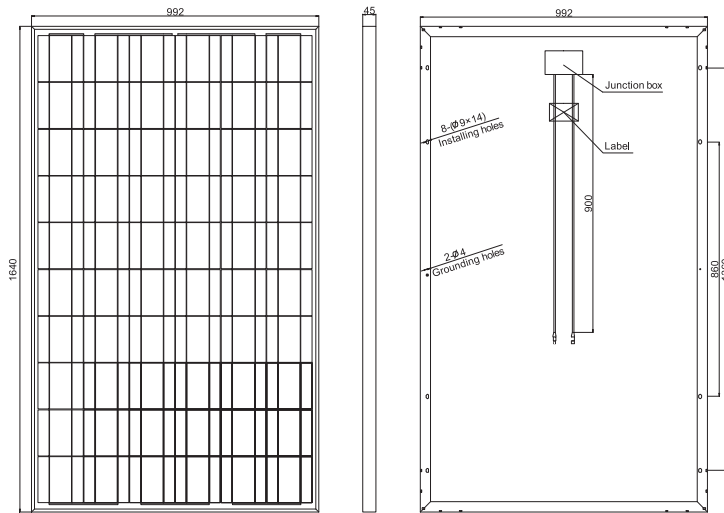
- 10 years manufacturing warranty
- 12 years warranty, 90% power output
- 25 years warranty, 80% power output

Number of Bypass Diodes	6pcs
Maximum Series Fuse	15A

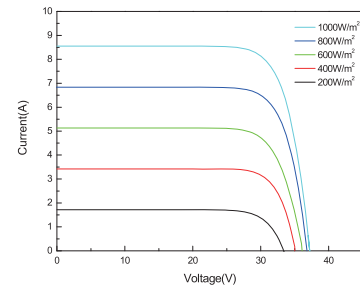


# 200 – 240 Watt Polycrystalline Silicon Module

## Dimensions for PV Module



## I-V Curves of PV Module



## Certification



## Electrical Data

Module Type	Rated Maximum Power (Pmax)	Output Tolerance	Current at Pmax (Imp)	Voltage at Pmax (Vmp)	Short-Circuit Current (Isc)	Open-Circuit Voltage (Voc)	
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> Tc=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

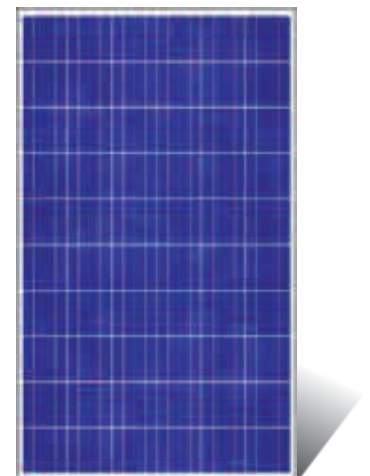
Packing Configuration	23pcs / Carton
Quantity/Pallet	1 Carton / Pallet
Loading Capacity	644pcs / 40ft

## 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

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





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