



# BQ SOLAR

Better Quality · More profits



## BQ-M6

### 435W~455W

Power output

### 156

Cells Poly-crystalline

### 0~+3%

Tolerance

### 19%

The Highest Efficiency

BQ-M6 156 polysilicon modules, up to 19% module output. The factory is strictly controlled to ensure the best quality. High-quality silicon wafers ensure lower LCOE.



#### KEY FEATURES



Integrating the half-chip multi-busbar technology and new circuit design, the impact of shadow shading on the power generation performance of the module is minimized, and the better light



Excellent anti-PID characteristics, ensure large-scale production to pass PID test, and greatly reduce the attenuation caused by PID by optimizing the battery process



Excellent low-light performance, using high-transmittance coated glass and cell surface texturing technology to achieve excellent performance in low-light environments



High-quality silicon wafer guarantee, high-power module output, excellent cost-effective advantage, it is an ideal choice for large-scale power plants



Strict quality control, 3 EL tests to ensure the best quality

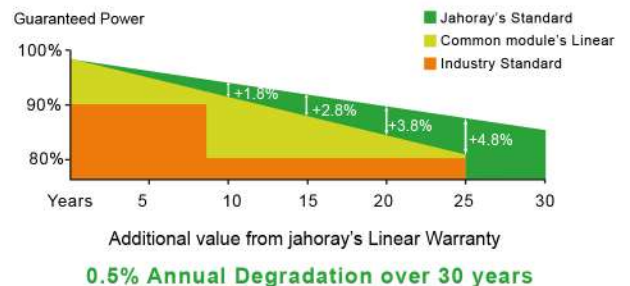
#### LINEAR PERFORMANCE WARRANTY

12  
YEAR

Product Warranty

30  
YEAR

30 year Linear Power Warranty



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



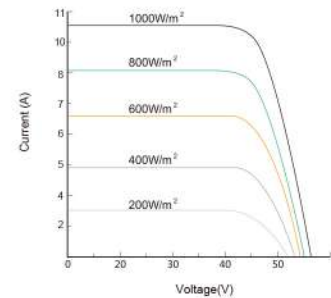


## ELECTRICAL DATA(STC)

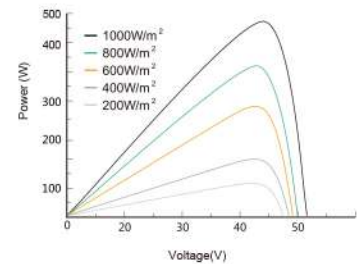
Rated Power in Watts-Pmax(Wp)	435	440	445	450	455
Open Circuit Voltage-Voc (V)	53.90	54.20	54.50	54.80	54.96
Short Circuit Current-Isc (A)	10.25	10.30	10.34	10.40	10.51
Maximum Power Voltage-Vmp (V)	45.00	45.30	45.60	45.90	46.13
Maximum Power Current-Imp(A)	9.67	9.72	9.76	9.81	9.88
Module Efficiency (%)	18.20	18.40	18.60	18.80	19.00

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

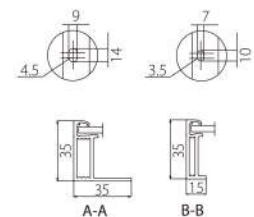
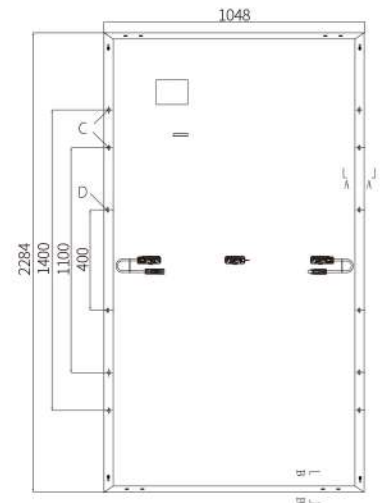
## I-V CURVES OF PV MODULE(455W)



## P-V CURVES OF PV MODULE(455W)



## DIMENSIONS OF PV MODULE(mm)



## ELECTRICAL DATA(NOCT)

Maximum Power-Pmax (Wp)	324.51	328.24	331.97	335.70	339.43
Open Circuit Voltage-Voc (V)	50.72	51.00	51.28	51.57	51.72
Short Circuit Current-Isc (A)	8.20	8.24	8.27	8.32	8.41
Maximum Power Voltage-Vmp (V)	42.03	42.31	42.41	42.87	43.09
Maximum Power Current-Imp(A)	7.74	7.78	7.81	7.85	7.90

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

## MECHANICAL DATA

Solar Cells	167.3*167.3mm Poly-crystalline
Cell Configuration	156(6*26)Cells
Module Dimensions	2284x1048x35mm
Weight	26.3KG
Front Cover	3.2mm high transmittance, coated tempered glass
Frame	Anodized aluminium alloy
J-BOX	IP68
Cable	4mm <sup>2</sup> (IEC)
Connectors	MC4 Compatible Connector

## TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	45°C± 2°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.36%/°C
Nominal Module Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V(IEC)
Max Series Fuse Rating	20A

## PACKAGING CONFIGURATION

Packing Type	40HQ
Piece/Pallet	670pcs
Pallet/Container	31pcs/pallet, 5pcs/carton
Piece/Container	20pallets + 10cartons