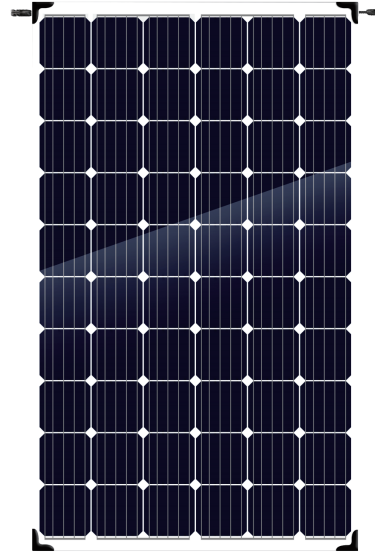




BQ-6MB-DG  
305-320<sub>w</sub>



## KEY FEATURES



Lower power degradation, more power yield, more returns



Dual glass reduces micro-cracks, snail trail, UV aging



Enhanced safety by excellent fire resistance



Frameless design solving the problematic issue of PID

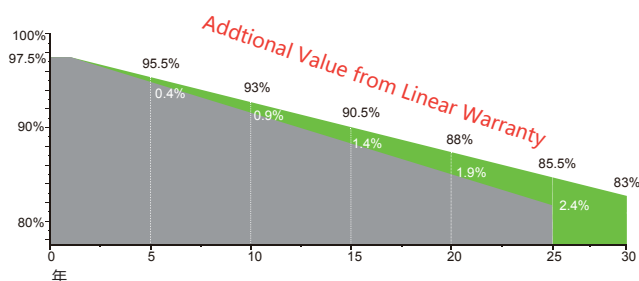


Less maintenance due to frameless structure with less soiling and snow accumulation.



Perfect for sandy, snowy and high latitude regions

### Warranty



15  
Years

Guarantee on product material and workmanship

30  
Years

linear power output warranty

### Product Certificates



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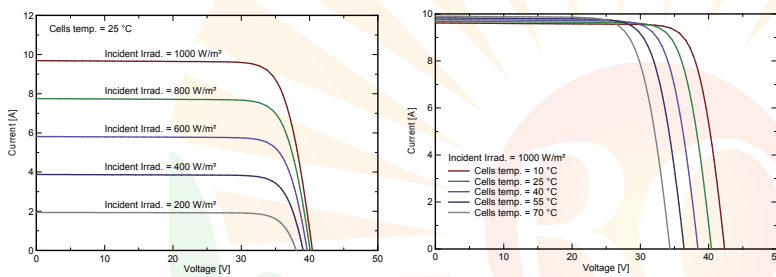
## Electrical Characteristics

Module Type	BQ-305-6MB-DG		BQ-310-6MB-DG		BQ-315-6MB-DG		BQ-320-6MB-DG	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power - $P_{mp}$ ( W )	305	226	310	230	315	234	320	238
Open Circuit Voltage - $V_{oc}$ ( V )	40.1	37.2	40.4	37.5	40.7	37.8	40.9	38.0
Short Circuit Current - $I_{sc}$ ( A )	9.61	7.73	9.69	7.79	9.76	7.85	9.85	7.93
Maximum Power Voltage - $V_{mp}$ ( V )	32.9	31.0	33.2	31.3	33.5	31.6	33.7	31.8
Maximum Power Current - $I_{mp}$ ( A )	9.27	7.30	9.34	7.35	9.41	7.41	9.50	7.49
Module Efficiency STC- $\eta_m$ ( % )	18.54		18.85		19.15		19.46	
Power Tolerance ( W )	(0,+4.99)							
Maximum System Voltage (V)	1500VDC							
Maximum Series Fuse Rating (A)	20A							
Pmax Temperature Coefficient	-0.36 %/°C							
Voc Temperature Coefficient	-0.28 %/°C							
Isc Temperature Coefficient	+0.05 %/°C							
Operating Temperature	-40~+85 °C							
Nominal Operating Cell Temperature	45±2 °C							

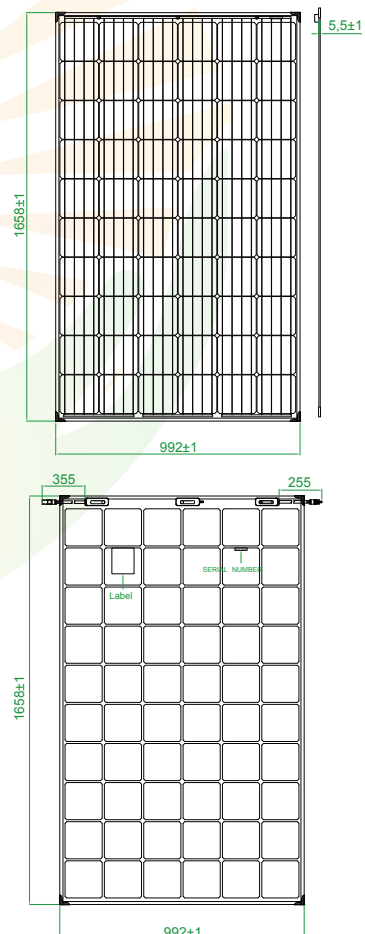
STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25° C AM=1.5

NOCT: Irradiance 800 W/m<sup>2</sup> ambient temperature 20° C wind speed :1m/s Power measurement tolerance: +/-3%

### I-V Curve



### Technical drawing



### Mechanical Specifications

External Dimension	1658 x 992 x 5.5mm
Weight	19.0kg
Solar Cells	PERC Mono crystalline 156.75 x 156.75 mm (60pcs)
Front Glass	2.0mm AR coating semi-tempered glass, low iron
Back Glass	2.0mm Semi-tempered glass, low iron
Junction Box	IP68, 3 diodes
Output Cables	4.0 <sup>2</sup> mm <sup>2</sup> , Portrait: 255mm(+)/355mm(-); Landscape: 1200mm
Connector	MC4 Compatible
Mechanical Load	2400 Pa

### Packing Configuration

External Dimension	1658 x 992 x 5.5mm
Container	40' HQ
Pieces per Pallet	36
Pallets per Container	26
Pieces per Container	936

\* All Dimensions in mm.

\* The above drawing is a graphical representation of the product.

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