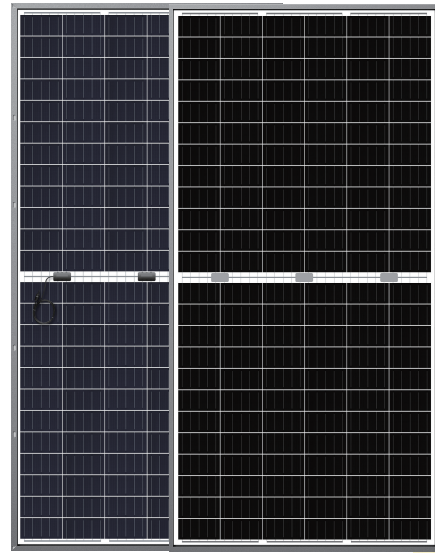




# BQ-BMA-BG 390-405<sub>w</sub>



## KEY FEATURES



Higher Durability and Reliability



Enhanced safety by excellent fire resistance



Lower power degradation, more power yield, more returns



Dual-glass structure minimizes micro-cracks, snail trails, and UV aging

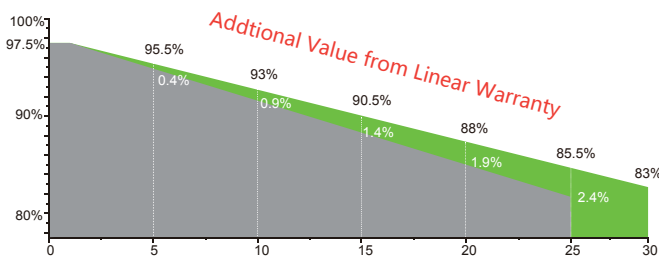


Lower internal current, lower mismatch loss



Unique circuit design, better shading tolerance.

### Warranty



15 Years

Guarantee on product material and workmanship

30 Years

linear power output warranty

### Product Certificates



BQ SOLARTECH CO., LTD

+86 13758135482 sales@bqsolartech.com

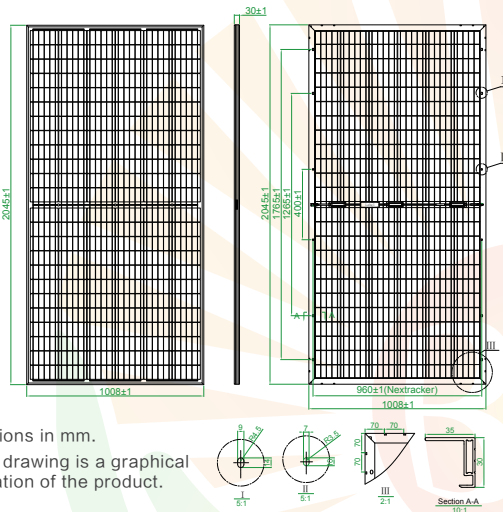
www.bqsolartech.com

## Electrical Characteristics

Module Type	BQ-390-BMA-BG		BQ-395-BMA-BG		BQ-400-BMA-BG		BQ-405-BMA-BG	
	Front	Back	Front	Back	Front	Back	Front	Back
Maximum Power $-P_{mp}$ (W)	390	292	395	296	400	300	405	304
Open Circuit Voltage $-V_{oc}$ (V)	49.1	48.7	49.3	48.9	49.5	49.1	49.7	49.3
Short Circuit Current $-I_{sc}$ (A)	9.96	7.44	10.04	7.49	10.12	7.55	10.19	7.61
Maximum Power Voltage $-V_{mp}$ (V)	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0
Maximum Power Current $-I_{mp}$ (A)	9.45	7.06	9.52	7.12	9.60	7.18	9.67	7.24
Module Efficiency STC- $\eta_m$ (%)	18.92		19.16		19.40		19.65	
Power Tolerance (W)	(0,+4.99)							
Pmax Temperature Coefficient	-0.36%/°C							
Voc Temperature Coefficient	-0.28%/°C							
Isc Temperature Coefficient	-0.05%/°C							

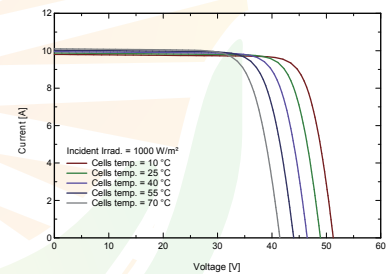
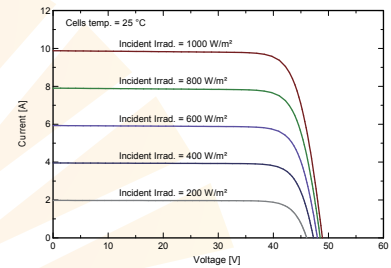
STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25° CAM=1.5

## Technical drawing



- \* All Dimensions in mm.
- \* The above drawing is a graphical representation of the product.

## I-V Curve



## Mechanical Specifications

External Dimension	2045 x 1008 x 30mm
Weight	26.5kg
Solar Cells	PERC Mono crystalline 158.75 x 79.375 mm (144pcs)
Front / Back Glass	2.0mm AR coating semi-tempered glass/low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0 mm <sup>2</sup> , Portrait:255mm(+)/355mm(-);Landscape:1200mm
Connector	MC4 Compatible

## Application Conditions

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	20A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	70%±5%
Mechanical Load	5400PA

## Rear Side Power Gain(BQ-380-BMA-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power $-P_{mp}$ (W)	440	460	480	500	520
Open Circuit Voltage $-V_{oc}$ (V)	49.5	49.5	49.5	49.5	49.5
Short Circuit Current $-I_{sc}$ (A)	11.14	11.65	12.15	12.65	13.15
Maximum Power Voltage $-V_{mp}$ (V)	41.7	41.7	41.7	41.7	41.7
Maximum Power Current $-I_{mp}$ (A)	10.56	11.04	11.52	11.99	12.47

## Packing Configuration

Container	40' HQ
Pieces per Pallet	30
Pallets per Container	22
Pieces per Container	660

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