

For a Free Quote:

Web: **EnergyPal.com/solar**

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EnergyPal

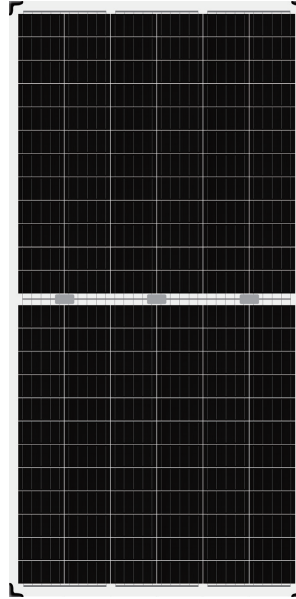
Solar Panel Guide Specification Data Sheet

**BQ Solartech Co., Ltd.
BQ-BMA-DG 390-405W
BQ-405-BMA-DG**

Also available on the web at
EnergyPal.com/bq-solartech-co-ltd-solar-panels/bq-405-bma-dg



BQ-BMA-DG 390-405_w



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

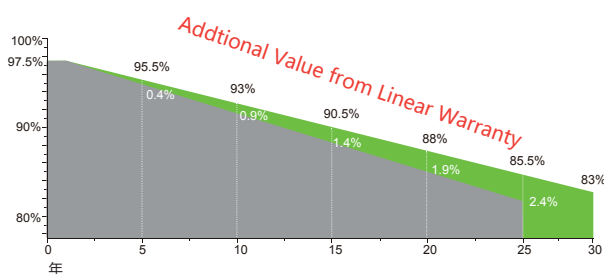


Less maintenance due to frameless structure with less soiling and snow accumulation.



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



BQ SOLARTECH CO., LTD

+86 13758135482 sales@bqsolartech.com

www.bqsolartech.com

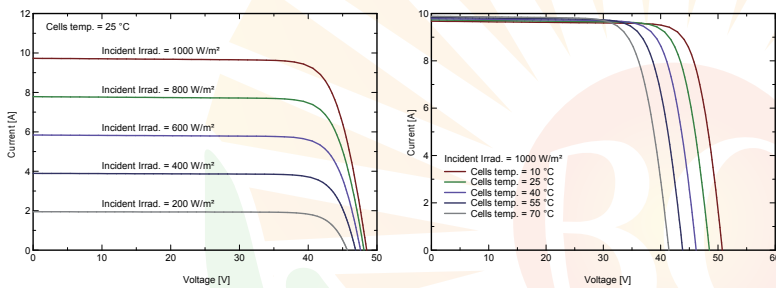
Electrical Characteristics

Module Type	BQ-390-BMA-DG		BQ-395-BMA-DG		BQ-400-BMA-DG		BQ-405-BMA-DG	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power - P_{mp} (W)	390	290	395	294	400	298	405	302
Open Circuit Voltage - V_{oc} (V)	49.1	45.4	49.3	45.6	49.5	45.8	49.7	46.0
Short Circuit Current - I_{sc} (A)	9.96	8.06	10.04	8.13	10.12	8.20	10.19	8.27
Maximum Power Voltage - V_{mp} (V)	41.3	38.1	41.5	38.3	41.7	38.5	41.9	38.7
Maximum Power Current - I_{mp} (A)	9.45	7.62	9.52	7.68	9.60	7.75	9.67	7.81
Module Efficiency STC- η_m (%)	19.09		19.33		19.58		19.82	
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							

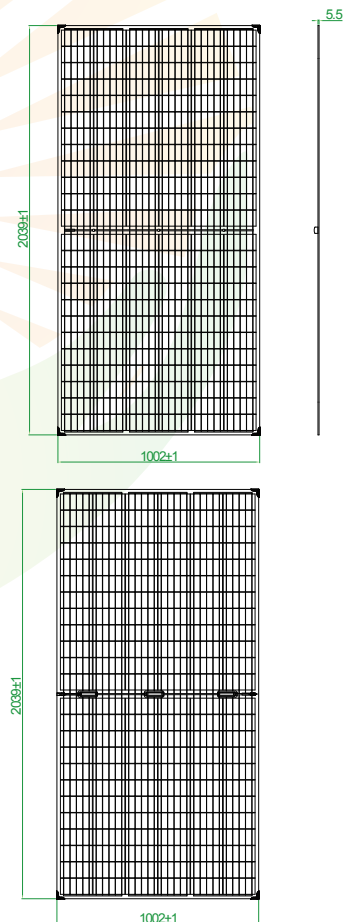
STC: Irradiance 1000 W/m² module temperature 25° C AM=1.5

NOCT: Irradiance 800 W/m² ambient temperature 20° C wind speed :1m/s Power measurement tolerance: +/-3%

I-V Curve



Technical drawing



Mechanical Specifications

External Dimension	2039 x 1002 x 5.5mm
Weight	24.0kg
Solar Cells	PERC Mono crystalline 158.75 x 79.375 mm (144pcs)
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 mm²,Portrait : 255mm(+)/355mm(-);Landscape:1200mm
Connector	MC4 Compatible
Mechanical Load	2400 Pa

Packing Configuration

External Dimension	2039 x 1002 x 5.5mm
Container	40' HQ
Pieces per Pallet	34
Pallets per Container	22
Pieces per Container	748

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

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