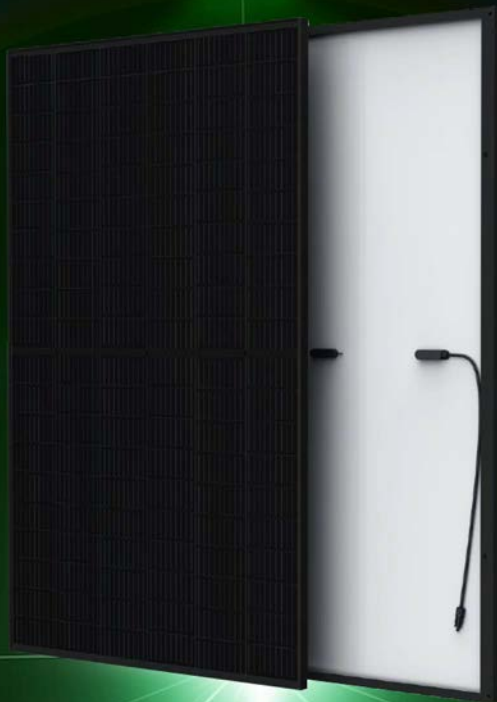




BQ SOLAR
Better Quality · More profits



BQ-120M

325~345W

Power output

120

Cells Mono-crystalline

0~+5W

Tolerance

20.2%

The Highest Efficiency

BQ-120M series is produced with high efficiency multi-busbar cells, which can reduce the module internal power loss to improve its conversion efficiency, as well as lower the failure risk caused by cracks and broken busbar to enhance the module reliability Combined with half-cell technology, the module is highly resistant to hot-spot crisis caused by shadow effect



KEY FEATURES



Up to 345W front power and 20.2% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings.



Improved anti-PID performance through battery process optimization and material control.



High standard Production, thinner wires that appear all black at a distance



Excellent IAM and low light performance. Lower temp co-efficient and NOCT bring more energy leading to lower LCOE.



Resistant to salt, acid and ammonia. Mechanical performance: Up to 5400 Pa positive load and 2400 Pa negative load

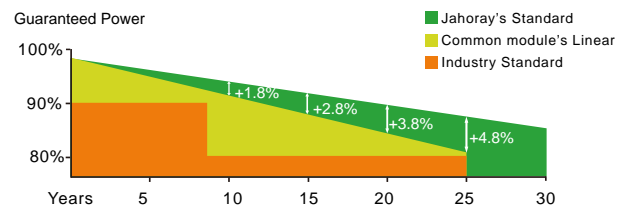
LINEAR PERFORMANCE WARRANTY

12
YEAR

Product Warranty

30
YEAR

30 year Linear Power Warranty



Additional value from jahoray's Linear Warranty

0.5% Annual Degradation over 30 years



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ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	325	330	335	340	345
Open Circuit Voltage-Voc(V)	40.4	40.6	40.7	40.9	41.1
Short Circuit Current-Isc(A)	10.30	10.39	10.48	10.57	10.66
Maximum Power Voltage-Vmp (V)	33.6	33.8	34.0	34.2	34.4
Maximum Power Current-Imp(A)	9.67	9.76	9.85	9.94	10.03
Module Efficiency (%)	19.3	19.6	19.9	20.2	20.5

STC Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3

ELECTRICAL DATA(NOCT)

Maximum Power-Pmax (Wp)	245	249	252	256	260
Open Circuit Voltage-Voc (V)	38.0	38.2	38.3	38.4	38.5
Short Circuit Current-Isc (A)	8.30	8.37	8.44	8.52	8.60
Maximum Power Voltage-Vmp(V)	31.3	31.5	31.6	31.8	32.0
Maximum Power Current-Imp(A)	7.83	7.91	7.98	8.06	8.12

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1 m/s

MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Configuration	120Cells
Module Dimensions	1690x996x35mm
Weight	18KG
Front Cover	3.2 mm (0.13 inches), High Transmission, AR Coated Heat Tempered Glass
Frame	35 mm (inches) Anodized Aluminium Alloy
J-BOX	IP 68 rated
Cable	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²)
Connectors	MC4/TS4*

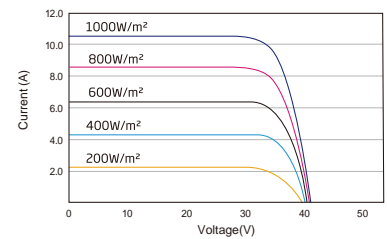
TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	43°C± 2°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.25%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1000V(IEC)
Max Series Fuse Rating	20A

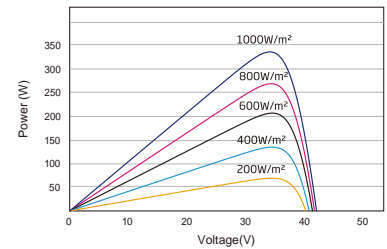
PACKAGING CONFIGURATION

Packing Type	40HQ
Piece/Pallet	884pcs
Pallet/Container	31pcs/pallet, 3pcs/carton
Piece/Container	26pallets + 26cartons

I-V CURVES OF PV MODULE(345W)



P-V CURVES OF PV MODULE(345W)



DIMENSIONS OF PV MODULE(mm)

