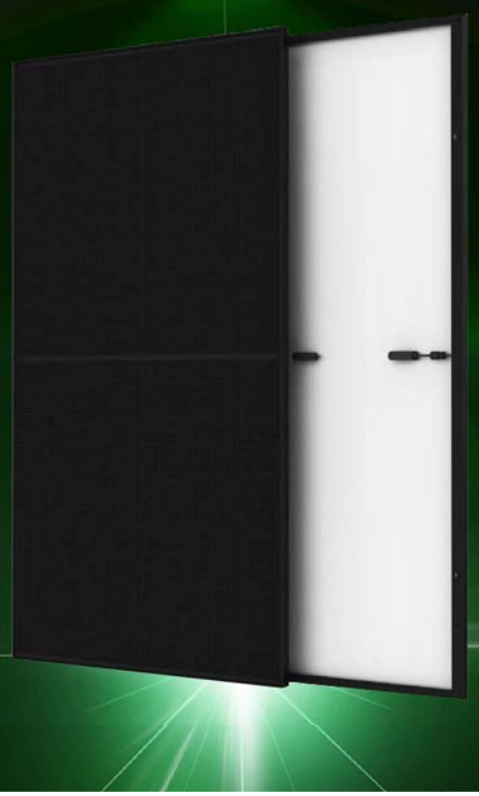
BQ SOLAR
Better Quality · More profits



# BQ-132M

**370~395W**
Power output

**132**
Cells Mono-crystalline

**0~+5W**
Tolerance

**20.9%**
The Highest Efficiency

BQ-132M 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

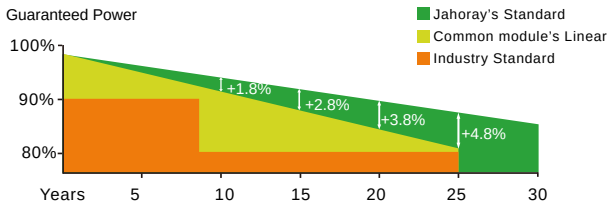
## KEY FEATURES

- Up to 380W front power and 20.9% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings. Reduce BOS cost with higher power bin and 1500V system voltage
- Better anti-shading performance and lower operating temperature.
- High standard Production, thinner wires that appear all black at a distance
- Excellent IAM and low light performance.Lower temp co-efficient (-0.34%) and NOCT bring more energy leading to lower LCOE.
- Ensured PID resistance through cell process and module material control.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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# BQ-132M 370~395W

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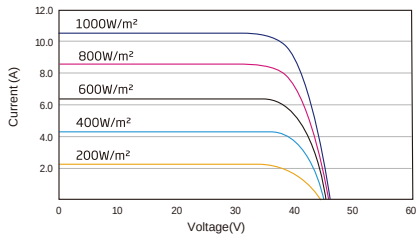
## ELECTRICAL DATA(STC)

| | | | | | |
|---|---|---|---|---|---|
| Rated Power in Watts-Pmax(Wp) | 370 | 375 | 380 | 390 | 395 |
| Open Circuit Voltage-Voc(V) | 45.2 | 45.3 | 45.5 | 45.7 | 45.9 |
| Short Circuit Current-Isc(A) | 10.40 | 10.45 | 10.51 | 10.56 | 10.61 |
| Maximum Power Voltage-Vmp (V) | 37.4 | 37.6 | 37.8 | 38.0 | 38.2 |
| Maximum Power Current-Imp(A) | 9.90 | 9.98 | 10.07 | 10.15 | 10.23 |
| Module Efficiency (%) | 20.1 | 20.3 | 20.6 | 20.9 | 21.1 |

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

I-V CURVES OF PV MODULE(395W)

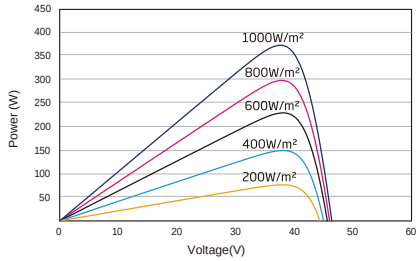



## ELECTRICAL DATA(NOCT)

| | | | | | |
|---|---|---|---|---|---|
| Maximum Power-Pmax (Wp) | 279 | 283 | 287 | 294 | 298 |
| Open Circuit Voltage-Voc (V) | 42.6 | 42.8 | 43.0 | 43.2 | 43.4 |
| Short Circuit Current-Isc (A) | 8.38 | 8.42 | 8.47 | 8.51 | 8.55 |
| Maximum Power Voltage-Vmp(V) | 35.1 | 35.3 | 35.6 | 35.8 | 36.0 |
| Maximum Power Current-Imp(A) | 7.96 | 8.01 | 8.06 | 8.12 | 8.17 |

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

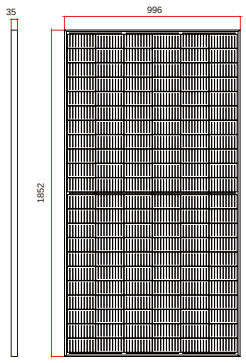
P-V CURVES OF PV MODULE(395W)



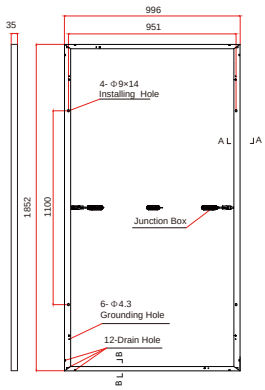

## MECHANICAL DATA

| | |
|---|---|
| Solar Cells | Monocrystalline |
| Cell Configuration | 132 Cells |
| Module Dimensions | 1852x996x35mm |
| Weight | 21KG |
| Fromt 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 4.0mm²(0.006 inches²) |
| Connectors | MC4 EVO2/TS4* |

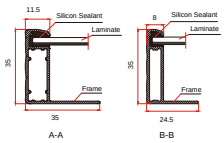
DIMENSIONS OF PV MODULE(mm)




Front View




Back View




## 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 | 1500V(IEC) |
| Max Series Fuse Rating | 20A |

## PACKAGING CONFIGURATION

| | |
|---|---|
| Packing Type | 40HQ |
| Piece/Pallet | 816pcs |
| Pallet/Container | 31pcs/pallet, 3pcs/carton |
| Piece/Container | 24pallets + 24cartons |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