



# BQ SOLAR

Better Quality · More profits



# BQ72-18X

## 540~560W

Power output

## 144

Cells Mono-crystalline

## 0~+5W

Tolerance

## 21.6%

The Highest Efficiency

BQ18X HALF-CELL 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



High module conversion efficiency (up to 21.6%), through superior manufacturing technology



Guaranteed 0~+5W positive power output tolerance ensures high reliability



Anti-reflective, hydrophobic coating improves light absorption and reduces surface dust



Excellent performance under low light environments (mornings, evenings and cloudy days)



Suitable for harsh environments, such as coasts, deserts and lakes. Withstand high level of wind loads (2400pa) and snow loads (5400pa)

### LINEAR PERFORMANCE WARRANTY

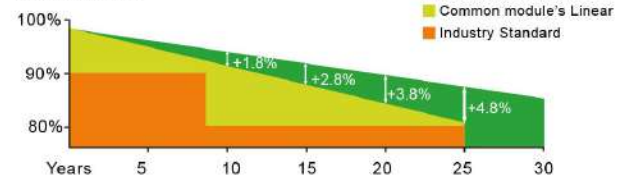
12 YEAR

Product Warranty

30 YEAR

30 year Linear Power Warranty

Guaranteed Power



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)	540	545	550	555	560
Open Circuit Voltage-Voc(V)	49.40	49.50	49.60	49.70	49.80
Short Circuit Current-Isc(A)	14.36	14.46	14.56	14.66	14.76
Maximum Power Voltage-Vmp (V)	41.00	41.10	41.20	41.30	41.40
Maximum Power Current-Imp(A)	13.18	13.27	13.36	13.46	13.53
Module Efficiency (%)	22.70	22.90	23.10	23.30	23.50

STC Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3

## ELECTRICAL DATA(NOCT)

Maximum Power-Pmax (Wp)	405	408	412	416	420
Open Circuit Voltage-Voc (V)	46.43	46.53	46.62	46.70	46.80
Short Circuit Current-Isc (A)	11.48	11.56	11.64	11.72	11.80
Maximum Power Voltage-Vmp(V)	38.40	38.49	41.20	41.30	41.40
Maximum Power Current-Imp(A)	10.54	10.60	10.68	10.76	10.82

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s

## MECHANICAL DATA

Solar Cells	Mono-crystalline 182*91mm , 9BB
Cell Configuration	144Cells (6x24)
Module Dimensions	2279x1134x35mm
Weight	28.5KG
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP68
Cable	4mm <sup>2</sup> (IEC)/12AWG(UL), 300mm or customized
Connectors	MC4 or MC4 Comparable

## TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	45°C± 2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)
Max Series Fuse Rating	25A

## PACKAGING CONFIGURATION

Packing Type	40HQ
Piece/Pallet	620pcs
Pallet/Container	31pcs/pallet
Piece/Container	22pallets

