

# BQ144-157P

**335~355W**

Power output

**144**

Cells Poly-crystalline

**0~+5W**

Tolerance

**17.7%**

The Highest Efficiency

BQ144-157P adopts half-cell technology with a power of up to 355W, which can effectively reduce the system BOS cost. Half-cell technology brings stronger anti-shadow occlusion capabilities.



## KEY FEATURES



High module conversion efficiency (up to 17.7%), 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)

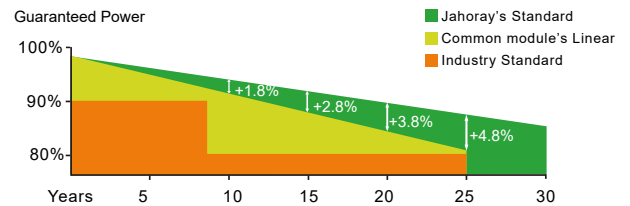
## LINEAR PERFORMANCE WARRANTY

**12**  
YEAR

Product Warranty

**30**  
YEAR

30 year Linear Power Warranty





## ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	335	340	345	350	355
Open Circuit Voltage-Voc(V)	46.00	46.20	46.40	46.70	47.00
Short Circuit Current-Isc(A)	9.44	9.53	9.62	9.71	9.81
Maximum Power Voltage-Vmp (V)	37.30	37.50	37.70	37.90	38.10
Maximum Power Current-Imp(A)	8.97	9.06	9.15	9.23	9.32
Module Efficiency (%)	16.70	16.90	17.20	17.40	17.70

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)	249	253	257	261	265
Open Circuit Voltage-Voc (V)	43.10	43.20	43.30	43.60	43.90
Short Circuit Current-Isc (A)	7.62	7.69	7.77	7.84	7.92
Maximum Power Voltage-Vmp(V)	35.00	35.20	35.40	35.50	35.70
Maximum Power Current-Imp(A)	7.15	7.21	7.28	7.34	7.41

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

## MECHANICAL DATA

Solar Cells	Polycrystalline 157*78.5mm, 5BB
Cell Configuration	144Cells(6*24)
Module Dimensions	2015x996x35mm
Weight	22KG
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67
Cable	4mm <sup>2</sup> (IEC)/12AWG(UL), 900mm
Connectors	MC4 or MC4 Comparable

## TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	45°C± 2°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.36%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC) 600(UL)
Max Series Fuse Rating	20A

## PACKAGING CONFIGURATION

Packing Type	40HQ
Piece/Pallet	660pcs
Pallet/Container	22pcs/pallet
Piece/Container	30pallets

