

## PRODUCT CHARACTERISTICS



### Multiple Main Gate Technology

Better light utilization and current collection, effectively improve product power output and reliability.



### Better Heat Spot Resistance

By optimizing circuit design and working current, better temperature coefficient and heat spot resistance are obtained.



### Anti-pid Guarantee

The attenuation rate caused by PID phenomenon is minimized through battery production technology optimization and material control.



### Adaptability to Harsh Environments

Third party certification through high salt spray and high ammonia corrosion test, suitable for high temperature and humidity, coastal, desert, lake and other harsh environment.



### Super Mechanical Load

It can carry 5400Pa snow load  
It can bear 2400Pa wind pressure



### Excellent Product Materials

Excellent product material and process quality assurance



### Linear Power Warranty

Linear attenuation of 0.55% per year for 25 years

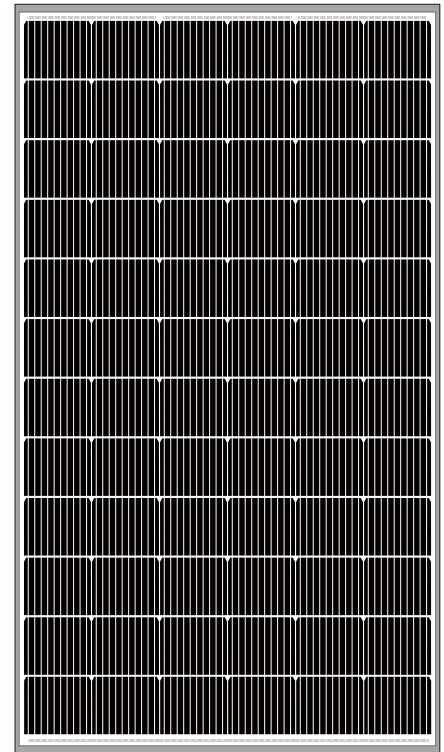


### ±3% Positive Tolerance

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# 245-255W

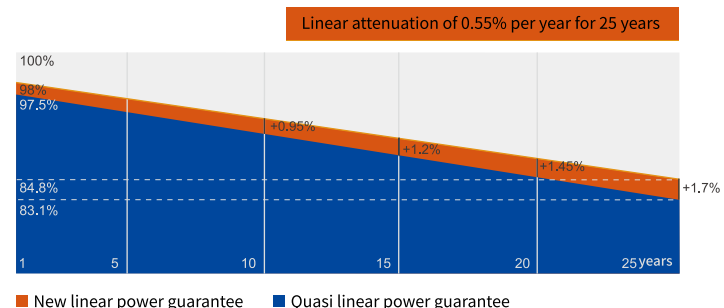
## SOLAR PANEL MONO-CRYSTALLINE



## COMPREHENSIVE SYSTEM AND PRODUCT CERTIFICATION

I EC61215(2016), IEC61730(2016)  
ISO 9001:2015 / ISO Quality Management System  
ISO 14001:2015 / Environmental Management System  
ISO 45001: 2018 / International Occupational Health and  
Safety Management System Certification

## INDUSTRY-LEADING QUALITY ASSURANCE



## Electrical Parameters Under STC

Solar Module Type	BCT245M-24	BCT255M-24
Maximum Power at STC (Pmax) [W]	245	255
Open-Circuit Voltage (Voc) [V]	49.18	49.54
Optimum Operating Voltage (Vmp) [V]	43.49	43.99
Short-Circuit Current (Isc) [A]	6.23	6.31
Optimum Operating Current (Imp) [A]	5.65	5.81
Wafer Efficiency[%]	22.1	23

Standard test conditions (STC) : irradiance 1000W/m<sup>2</sup>, battery temperature 25°C, AM1.5, power tolerance: ±3%

## Mechanical Parameter

Cell type	MONO-CRYSTALLINE
Number of Cells	72 (12×6)
Component Size	1100×1134×30mm
Component Weight	14.21kg
Front Glass	3.2mm high permeability, anti-reflection coating tempered glass
Backboard	White
Component Frame	Anodized aluminium alloy
Wind Pressure/Snow Pressure	2400Pa/5400Pa
Packaging Information	1115×1150×80mm/2pcs

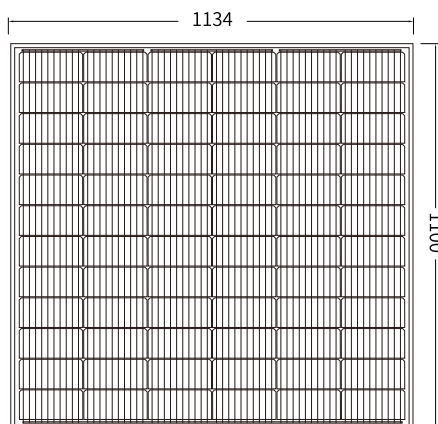
## Electrical Property Parameter

Working Temperature	-40°C~+85°C
Maximum System Voltage	1000V DC
Maximum Fuse Rated Current	25A
Power Tolerance	±3%

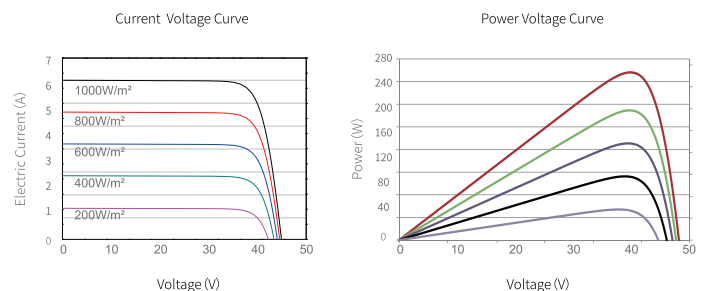
## Temperature Characteristic

Temperature Coefficient(Pmax)	-0.34%/°C
Temperature Coefficient(Voc)	-0.27%/°C
Temperature Coefficient (Isc)	+0.045%/°C
Nominal Operating Temperature(NOTC)	45±2°C

## Product Size



## Characteristic Curve



- \* 25-year quality assurance, 25-year linear output power guarantee
- \* With the technical progress and product update, the technical parameters of the components of Blue Carbon may differ from the technical parameters contained in this specification. Blue Carbon has the right to adjust the technical parameters at any time without notifying the customer, and the final interpretation of the technical specification belongs to Blue Carbon.