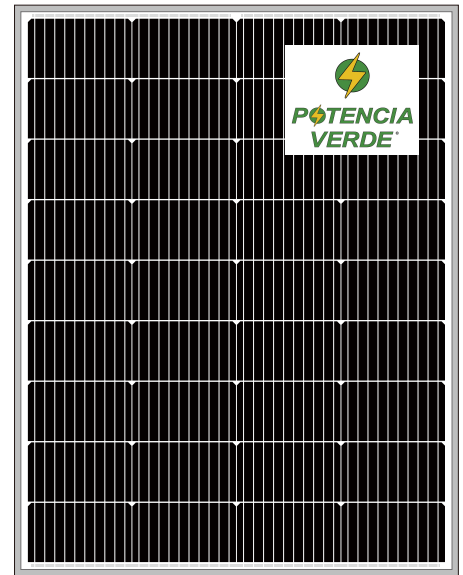


# 100W

## SOLAR PANEL MONO-CRYSTALLINE

### 12V Series



#### Multiple Main Gate Technology

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



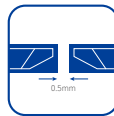
#### Lossless Cut

Advanced non-destructive cutting technology is applied to effectively reduce the risk of hidden cracks.



#### Better Heat Spot Resistance

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



#### High Density Package

Improve component conversion efficiency by reducing the spacing between cells.



#### Anti-pid Guarantee

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



#### Excellent Product Materials

Excellent product material and process quality assurance



#### Super Mechanical Load

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



#### Adaptability to Harsh Environments

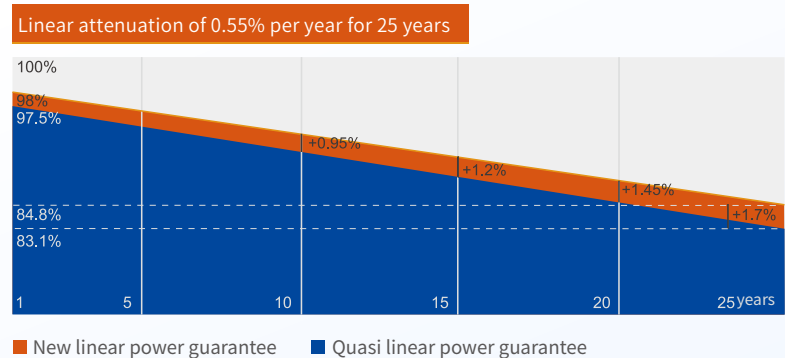
Third party certification through high salt spray and high ammonia corrosion test, suitable for high temperature and humidity, coastal, desert, lake and other harsh environment.

### COMPREHENSIVE SYSTEM AND PRODUCT CERTIFICATION

IEC61215(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

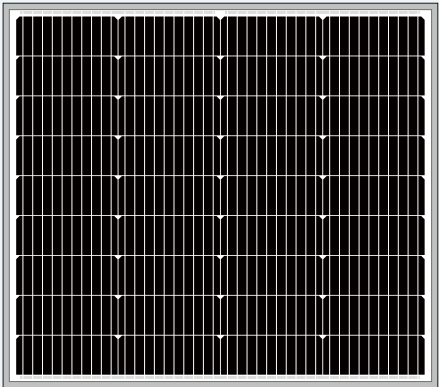
Solar Module Type	BCT100M-12
Maximum Power at STC (Pmax) [W]	100W
Optimum Operating Voltage (Vmp) [V]	21.71V
Optimum Operating Current (Imp) [A]	4.61A
Open-Circuit Voltage (Voc) [V]	24.55V
Short-Circuit Current (Isc) [A]	5.10A
Temperature Coefficient (Pmax)	-0.34%/°C
Temperature Coefficient (Voc)	-0.27%/°C
Temperature Coefficient (Tsc)	+0.045%/°C
NOCT	45±2°C
Maximum System Voltage	1000V DC
Power Tolerance	±3%

\* Standard test conditions (STC) : irradiance 1000W/m², battery temperature 25°C, AM1.5, power tolerance: ±3%

Specification

Solar Module Type	BCT100M-12
Component Size	690×780×30mm
Glass	3.2mm high permeability, anti-reflection coating tempered glass
Number of Cells	36
Cells Arrangement	9×4
Component Weight	5.97kg
Package size	705×795×140mm/4pcs

Engineering Drawings



690×780×30mm