



# Battle Born® Elite 120W 12V Rigid Solar Panel

Model: BBPV-12-120

Elite Series Solar Panels

The **Battle Born® Elite 120W 12V Rigid Solar Panel** brings high efficiency to compact installations. With 23% module efficiency and advanced anti-shading technology, it maintains strong output even in partial shade and low-light conditions. Built for longevity, this panel is tested against heavy snow, high winds, and salt mist exposure, ensuring dependable operation in challenging environments. Its smaller size makes it an excellent choice when roof space is limited but efficiency and durability are critical.

## Key Features

### Higher Power Output in the Same Footprint

Advanced monocrystalline cells maximize watts per square inch.

### Anti-Shading Technology

Delivers reliable energy production even in partial shade or low-light conditions.

### 120W Power Delivery

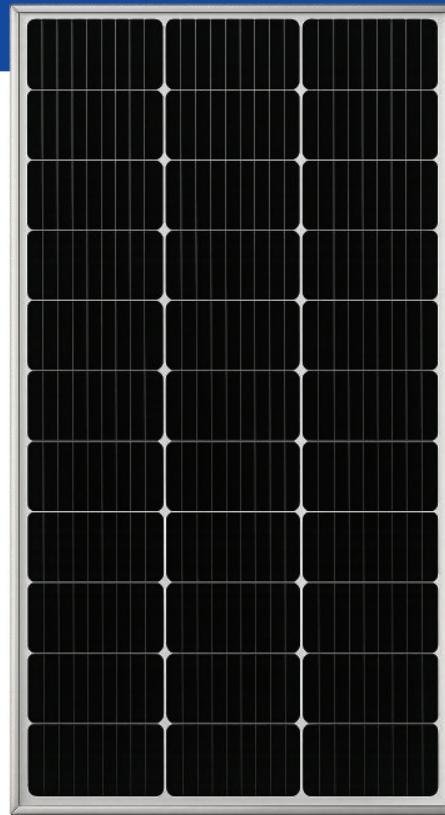
Optimized for 12V systems.

### Compact & Lightweight

Measures 42.1" x 22.8" x 1.4", weighs 15.7 lbs.

### Weather Tough

Rated for 5400 Pa snow load, 2400 Pa wind load, and salt mist resistance.



**120W**

Output

**23%**

Module  
Efficiency

**33 Cell**

Monocrystalline  
Module

### Built to Last

Rigid anodized aluminum frame and low-iron tempered glass for structural strength and maximum light transmission.

### Proven Longevity

Backed by a 10-year workmanship warranty and 25-year linear performance warranty.

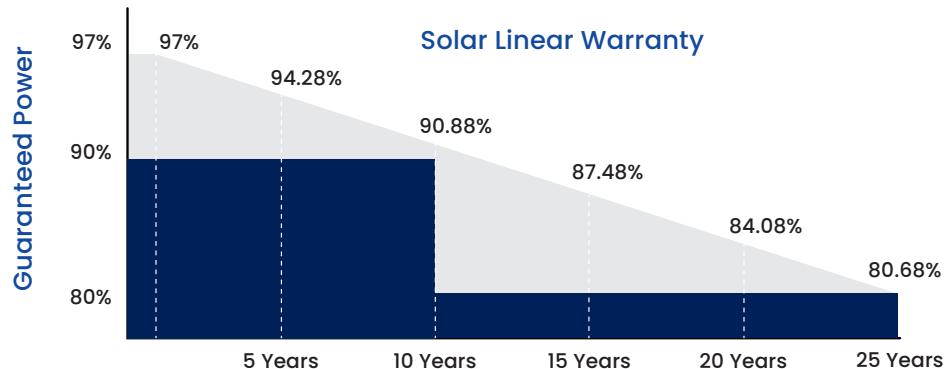
## Performance Warranty

**10**

Year Product Warranty

**25**

Year Performance Warranty

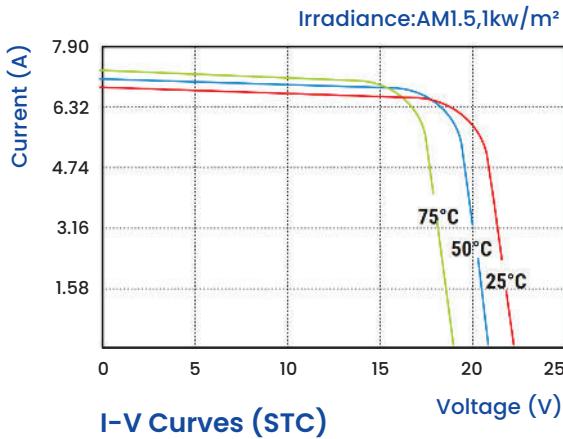




# Battle Born® Elite 120W 12V Rigid Solar Panel

Elite Series Solar Panels

Model: BBPV-12-120



## Electrical Characteristics

Maximum Power $P_{max}$	120W
Voltage at $P_{max}$ $V_{mp}$	19.08V
Current at $P_{max}$ $I_{mp}$	6.30A
Open-circuit voltage $V_{oc}$	22.35V
Short-circuit current $I_{sc}$	6.70A
Temperature coefficient of $V_{oc}$	$-(80\pm10)mV/^\circ C$
Temperature coefficient of $I_{sc}$	$(0.065\pm0.015)\%/^\circ C$
Temperature coefficient of power	$-(0.5\pm0.05)\%/^\circ C$
NOCT Air 20°C; Sun 0.8kW/m <sup>2</sup> wind 1m/s	47±2°C
Operating temperature	-40°F to 185°F -40°C to 85°C
Maximum system voltage	1000V DC
Power tolerance	± 5%

\*STC: Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C

\*NOCT: Nominal operating cell temperature (the data is only for reference)

## Specifications

Cells
Number of cells and connections
Module dimension
Weight
Packing information (Carton)

Monocrystalline Silicon Solar Cell  
33 (3 x 11)  
42.13" x 22.83" x 1.38"  
15.65 lbs.  
43.90" x 24.61" x 2.76"

