

# HEPA 400W SOLAR MODULE



## HIGHLIGHTS



### HJT 3.0

Combining gettering process and double-sided  $\mu\text{-Si}$  to maximize cell efficiency and module power.



### -0.26%/°C Pmax temperature coefficient

More stable power generation performance and even better in hot climate.



### Small Chamfer Design

Bigger power generation area on the solar cell, increasing 1% cell power of single piece.



### SMBB design with Half-Cut Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency.



### Up to 95% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.



### Sealing with PIB based sealant

Stronger water resistance, greater air impermeability to extent module lifespan.



### Higher reliability

Industrial leading product and performance warranty, ensuring modules' consistent outstanding performance.



### Ideal choice for residential rooftop





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## TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temp. (NOCT)	111°F±36°F
Temperature Coefficient of Pmax	-0.26%/°F
Temperature Coefficient of Voc	-0.24%/°F
Temperature Coefficient of Isc	0.04%/°F

## SAFETY & WARRANTY

Safety Class	Class II
Product Warranty	15 yrs Workmanship
Performance Warranty	30 yrs Linear Warranty

## ELECTRICAL CHARACTERISTICS

HS-B120	DSN400-B
Maximum Power (Pmax)	400W
Module Efficiency	22%
Optimum Operating Voltage (Vmp)	37.43V
Optimum Operating Current (Imp)	10.70A
Open Circuit Voltage (Voc)	44.87V
Short Circuit Current (Isc)	11.12A
Operating Module Temperature	-40 to +185°F
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse	20A
Power Tolerance	0~+5W
Bifaciality	90%±5%

## BSTC

Maximum Power (Pmax)	445W
Optimum Operating Voltage (Vmp)	39.50V
Optimum Operating Current (Imp)	11.32A
Open Circuit Voltage (Voc)	47.54V
Short Circuit Current (Isc)	11.66A

## MECHANICAL CHARACTERISTICS

Cell Type	HJT Mono 6.53 x 2.7 in
Cell Connection	120 (60x2)
Module Dimension	69.1 x 40.87 x 1.18 in
Weight	51.8 lb
Junction Box	IP68
Output Cable	0.16 in <sup>2</sup> , 47.24 in length, length can be customized / UV resistant
Connectors Type	MC4 original
Frame	Anodised aluminium alloy (Black)
Encapsulant	POE
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F) 0.08 in Anti-reflective Solar Glass   (B) 0.08 in Solar Glass