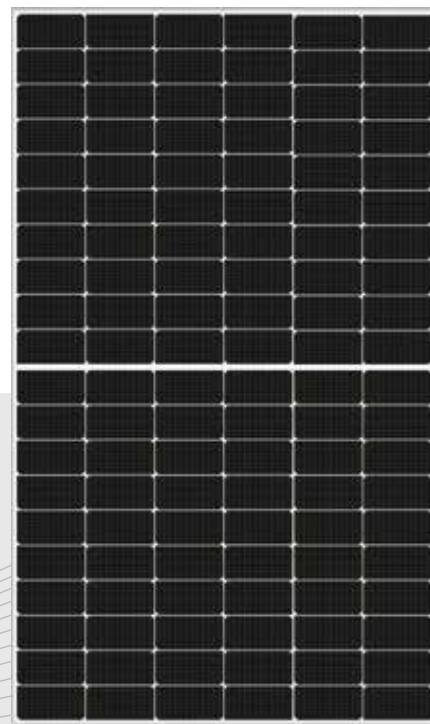




HUASUN

Bright Your Sustainable Future



HS-B120DSN SERIES

380W | 385W | 390W | 395W | 400W

120-cell Bifacial Transparent HJT HCC Solar Module

WARRANTY

15
years

Product
Warranty

30
years

Linear Power
Warranty

CERTIFICATES



JP-AC



QUALITY BENEFITS

22.0
%

Extreme Power Production

The module efficiency up to 21.40% achieved by utilizing the most advanced technology in the solar industry.



SuperMBB Half-Cut Cell Technology

Using the advanced 9BB solar cell combines with half-cut cell technology to guarantee more power.



Advanced Bifacial Efficiency

Bifaciality >90%, effectively improves backside power generation.

A bifacial cell design that generates energy from both sides, capturing and converting more sunlight into power even with a backsheet.



Weak light

High Energy Yield

Excellent weak light performance and better performance in hot climate. Leading temperature coefficient for more production when the sun shines strongest, Or under the cloudy, haze condition.

5,400
2,400
Pascal

Guaranteed Better Durability

Certified for snow and wind loads of a maximum of 5,400 / 2,400 Pascals and with better protection against harsh weather to improve cell life for long-lasting high power.



Industry Leading Output Warranty

Huasun solar cell technology result in extremely low LID and PID which supports reliability and longevity. 12% power degradation in 30 years.

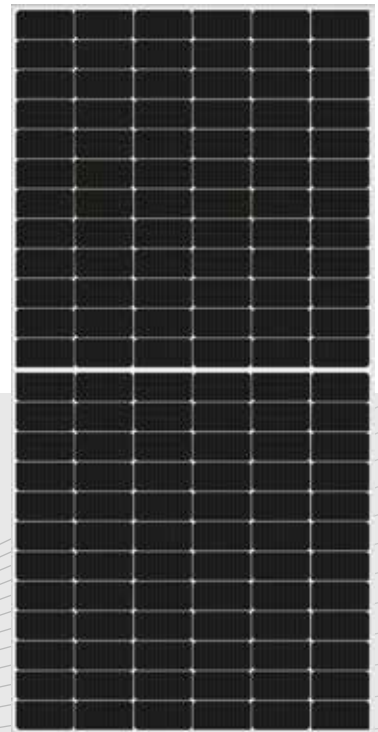
The Specification and key features described in this datasheet may deviate slightly and are not guaranteed. Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.



HUASUN

Bright Your Sustainable Future

HS-B144DSN SERIES



460W | 465W | 470W | 475W | 480W

144-cell | Bifacial Transparent HJT HCC Solar Module

WARRANTY

15
years

Product
Warranty

30
years

Linear Power
Warranty

CERTIFICATES



JP-AC



QUALITY BENEFITS

22.1
%

Extreme Power Production

The module efficiency up to 22.08% achieved by utilizing the most advanced technology in the solar industry.



SuperMBB Half-Cut Cell Technology

Using the advanced 9BB solar cell combines with half-cut cell technology to guarantee more power.



Advanced Bifacial Efficiency

Bifaciality >90%, effectively improves backside power generation.

A bifacial cell design that generates energy from both sides, capturing and converting more sunlight into power even with a backsheet.



Weak light

High Energy Yield

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5,400
2,400
Pascal

Guaranteed Better Durability

Certified for snow and wind loads of a maximum of 5,400 / 2,400 Pascals and with better protection against harsh weather to improve cell life for long-lasting high power.



Industry Leading Output Warranty

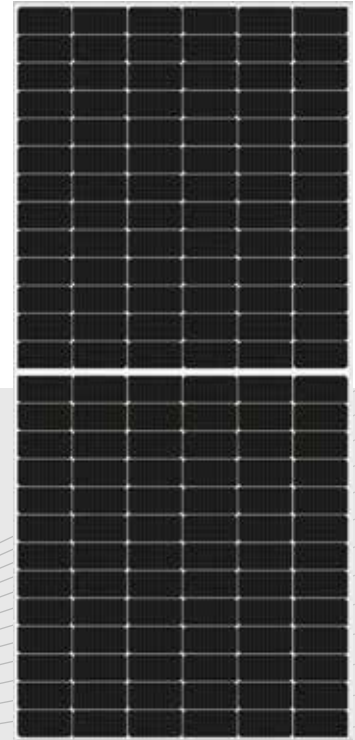
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HUASUN

Bright Your Sustainable Future



HS-B156DSN SERIES

500W | 505W | 510W | 515W | 520W

156-cell | Bifacial Transparent HJT HCC Solar Module

WARRANTY

15
years

Product
Warranty

30
years

Linear Power
Warranty

CERTIFICATES



JP-AC



QUALITY BENEFITS

22.1
%

Extreme Power Production

The module efficiency up to 22.1% achieved by utilizing the most advanced technology in the solar industry.



SuperMBB Half-Cut Cell Technology

Using the advanced 9BB solar cell combines with half-cut cell technology to guarantee more power.



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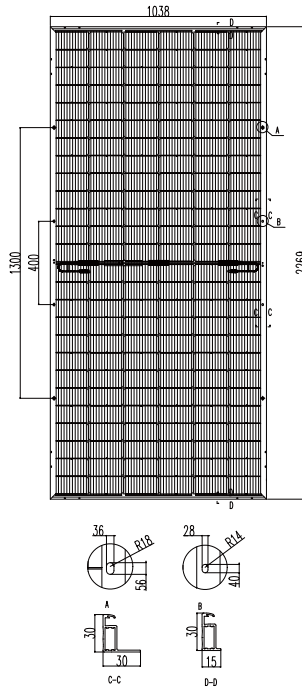


Industry Leading Output Warranty

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Engineering Drawings



Electrical Characteristics (STC*)

| Model Number | HS-B156 DSN500 | HS-B156 DSN505 | HS-B156 DSN510 | HS-B156 DSN515 | HS-B156 DSN520 |
|------------------------------|----------------|----------------|----------------|----------------|----------------|
| Maximum Power (Pmax) | 500W | 505W | 510W | 515W | 520W |
| Max Module Efficiency(%) | 21.3% | 21.5% | 21.7% | 21.9% | 22.1% |
| Voltage at Max Power (Vmp) | 47.85V | 48.10V | 48.44V | 48.73V | 48.97V |
| Current at Max Power (Imp) | 10.45A | 10.50A | 10.53A | 10.57A | 10.62A |
| Open Circuit Voltage (Voc) | 56.93V | 56.98V | 57.04V | 57.08V | 57.10V |
| Short Circuit Voltage (Isc) | 10.88A | 10.90A | 10.92A | 10.95A | 10.98A |
| Operating Module Temperature | -40 to +85 °C | | | | |
| Maximum System Voltage | DC1500V (IEC) | | | | |
| Maximum Series Fuse | 20A | | | | |
| Rating Power Sorting | 0~+5W | | | | |
| Bifaciality (%) | 90±5 | | | | |

BSTC**

| | | | | | |
|------------------------------|--------|--------|--------|--------|--------|
| Max. Power at BSTC (Pmax) | 555W | 560W | 565W | 570W | 575W |
| Voltage Max. Power (Vmp) | 48.77V | 49.00V | 49.31V | 49.57V | 49.83V |
| Current Max Power (Imp) | 11.38A | 11.43A | 11.46A | 11.50A | 11.54A |
| Open Circuit Voltage (Voc)* | 58.67V | 58.7V | 58.73V | 58.77V | 58.79V |
| Short Circuit Voltage (Isc)* | 11.71A | 11.74A | 11.75A | 11.77A | 11.80A |

*STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; Best in Class AAA solar simulator used, power measurement uncertainty is within +/- 3%.

**BSTC : Front side irradiation 1000W/m², back side reflection irradiation 135W/m², spectrum AM1.5, ambient temperature 25 °C. Values are based on RETC certified results from a light-soaked module.

Temperature Characteristics

| | |
|-------------------------------------|---------------|
| Nominal Operating Cell Temp. (NOCT) | 44 °C (±2 °C) |
| Temperature Coefficient of Pmax | -0.26 %/ °C |
| Temperature Coefficient of Voc | -0.24 %/ °C |
| Temperature Coefficient of Isc | 0.04 %/ °C |

Shipping Configurations

| | HC | GP |
|-----------------------|--------|--------|
| Container Length | 40' | 20' |
| Pallets Per Container | 20 | 4 |
| Modules Per Pallet | 35pcs | 35pcs |
| Modules Per Container | 700pcs | 140pcs |

Certifications & Warranty

| | |
|------------------------------|-------------------------------|
| Safety | Class II |
| Fire Rating | Class A |
| Product Warranty | 15 Yrs Workmanship |
| Performance Warranty of Pmax | 30 Yrs Power Output (Linear)* |

* 1st year 99%, after 2nd year 0.37% annual degradation to year 30.

Mechanical Characteristics

| | |
|--------------------|---|
| Laminate Structure | Glass/ POE/ Cells/ POE/Glass |
| Cell Type | HJT Mono 166 x 83 mm |
| Cell Connection | 156 (78x2) |
| Module Dimensions | 2263 x 1038 x30 mm |
| Weight | 29.5 kg |
| Junction Box | Degree of protection IP67/IP68 |
| Output Cable | 4mm ² , 200mm in length, length can be customized |
| Connectors Type | UV Resistant Cable/Compatible MC4 |
| Frame | Anodised Aluminum Alloy |
| Encapsulant | POE |
| Front Load* | 5400 Pa |
| Real Load* | 2400 Pa |
| Glass Thickness | (F) 2.0mm Anti-reflective surface Solar glass (B) 2.0mm Solar glass |

* Mechanical load test report per Solar PTL (IEC 61730)