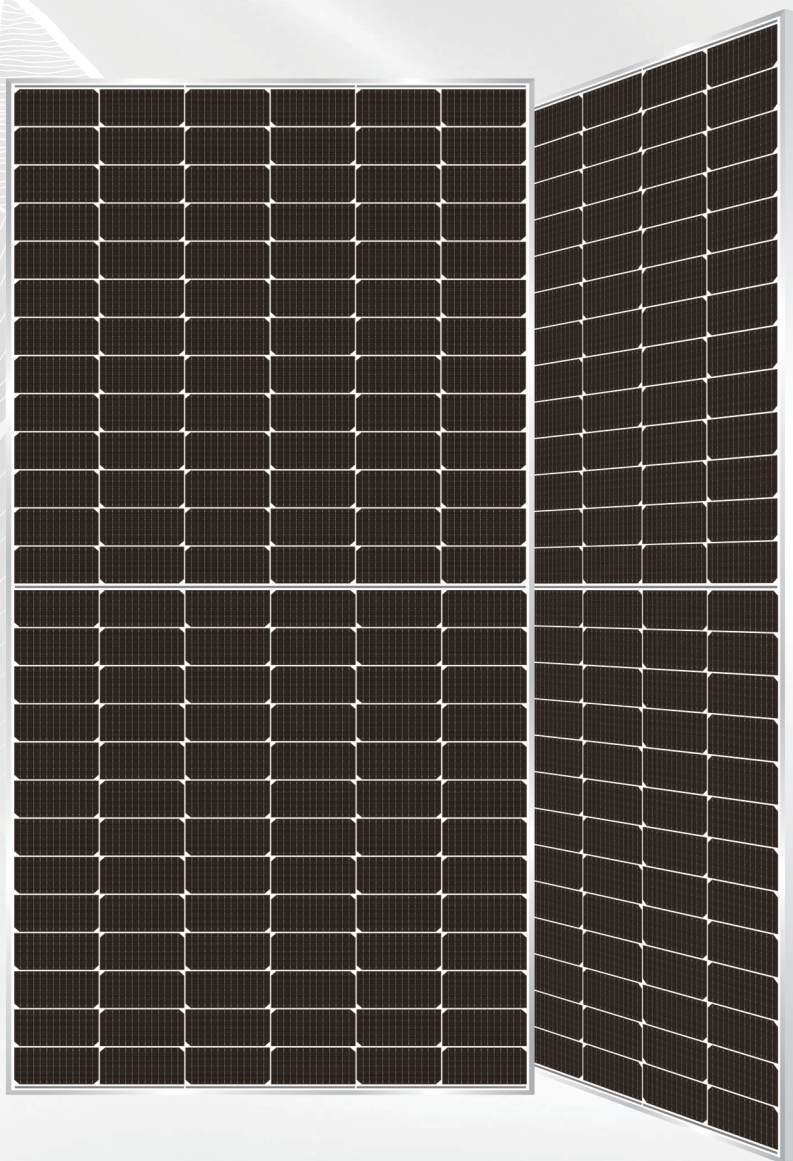


Himalaya M6 Series

500-520W

156-cell Bifacial HJT Half Cell
Solar Module



HJT

Heterojunction
Technology

M6

166mm Cell



SMBB Half-Cut
Cell Technology



Up to 85% Bifaciality



Reliable · Durable
· Sustainable

WARRANTY

Product
Warranty

15
years

Linear
Power
Warranty

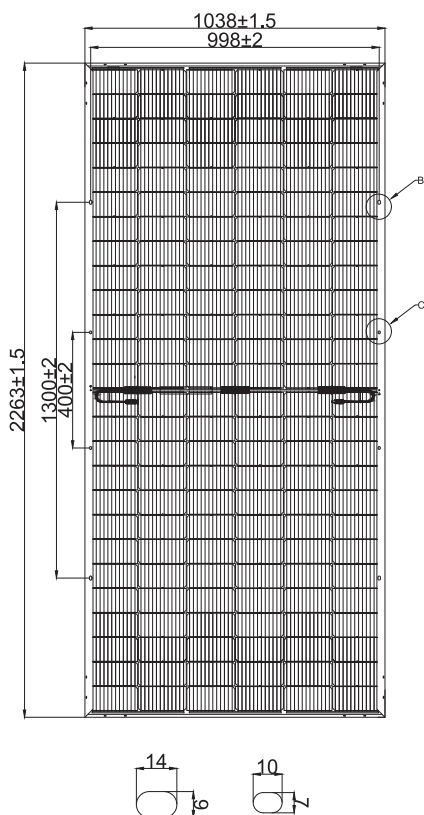
30
years

Himalaya M6 Series 500-520W

156-cell Bifacial HJT Half Cell Solar Module

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

Model	HS-B156	HS-B156	HS-B156	HS-B156	HS-B156
	DS500	DS505	DS510	DS515	DS520
Maximum Power (P _{max})	500W	505W	510W	515W	520W
Module Efficiency (%)	21.29%	21.50%	21.71%	21.92%	22.14%
Optimum Operating Voltage (V _{mp})	48.36V	48.61V	48.95V	49.24V	49.53V
Optimum Operating Current (I _{mp})	10.34A	10.39A	10.42A	10.46A	10.50A
Open Circuit Voltage (V _{oc})	58.01V	58.04V	58.15V	58.19V	58.21V
Short Circuit Current (I _{sc})	10.67A	10.70A	10.71A	10.73A	10.76A
Operating Module Temperature	-40 to +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	20A				
Power Tolerance	0~+5W				
Bifaciality	80% ± 5%				

*STC: Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5, Tolerance of P_{max} is within +/- 3%.

BSTC**

Maximum Power (P _{max})	550W	555W	560W	565W	570W
Optimum Operating Voltage (V _{mp})	48.46V	48.69V	49.00V	49.26V	49.53V
Optimum Operating Current (I _{mp})	11.35A	11.40A	11.43A	11.47A	11.51A
Open Circuit Voltage (V _{oc})	58.27V	58.28V	58.30V	58.33V	58.38V
Short Circuit Current (I _{sc})	11.68A	11.71A	11.72A	11.74A	11.76A

**BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25 °C.

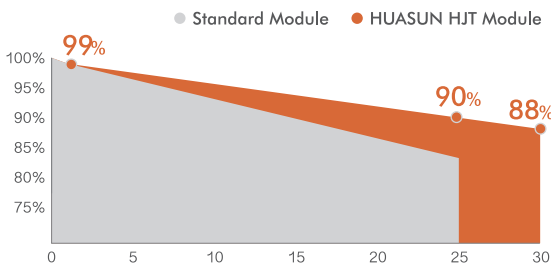
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficient of P _{max}	-0.26%/°C
Temperature coefficient of V _{oc}	-0.24%/°C
Temperature coefficient of I _{sc}	0.04%/°C

Safety & Warranty

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

* 1st year 99%, after 2nd year 0.375% annual degradation to year 30.



* Refer to HUASUN standard warranty for details

Mechanical Characteristics

Cell Type	HJT Mono 166 × 83mm
Cell Connection	156 (78 × 2)
Module Dimension	2263 × 1038 × 30 mm
Weight	27 kg
Junction Box	IP67 / IP68
Output Cable	4mm ² , 1200mm in length, length can be customized / UV Resistant
Connectors Type	MC4 Compatible
Frame	Anodised Aluminum Alloy
Encapsulant	POE
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F) 2.0mm Anti-reflective surface Solar glass (B) 2.0mm Solar glass

Shipping Configurations

	HC	GP
Container Length	40'	20'
Pallets Per Container	20	4
Modules Per Pallet (pcs)	36	36
Modules Per Container (pcs)	720	144