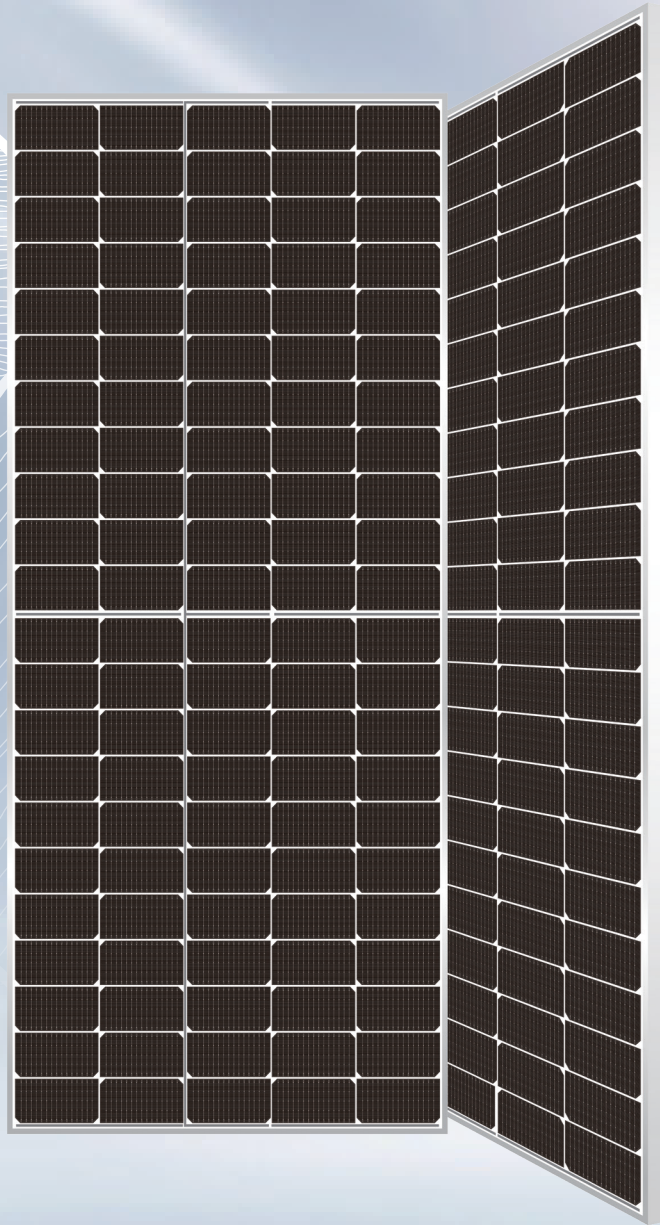


Himalaya G12 Series

560-580W

110-cell Bifacial HJT Half Cell
Solar Module



HJT

Heterojunction
Technology

G12

210mm Cell



SMBB Half-Cut
Cell Technology



Up to 85% Bifaciality



Lower BoS Cost Ensure
A Better LCOE,
Shorter Payback Time

WARRANTY

Product
Warranty **15**
years

Linear
Power
Warranty **30**
years



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The Specification and key features described in this datasheet may deviate slightly and are not guaranteed, Anhui Huasun reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest 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.

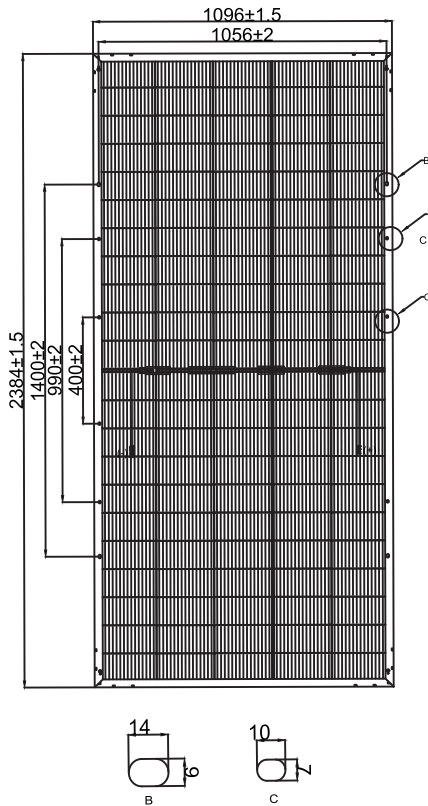


Himalaya G12 Series 560-580W

110-cell Bifacial HJT Half Cell Solar Module

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

HS-210-B110	DS560	DS565	DS570	DS575	DS580
Maximum Power (P _{max})	560W	565W	570W	575W	580W
Module Efficiency (%)	21.4%	21.6%	21.8%	22.0%	22.2%
Optimum Operating Voltage (V _{mp})	34.17V	34.35V	34.53V	34.71V	34.88V
Optimum Operating Current (I _{mp})	16.39A	16.45A	16.51A	16.57A	16.63A
Open Circuit Voltage (V _{oc})	40.77V	40.96V	41.16V	41.35V	41.54V
Short Circuit Current (I _{sc})	17.19A	17.25A	17.31A	17.37A	17.43A
Operating Module Temperature	-40 to +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	30A				
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})	618W	623W	629W	634W	640W
Optimum Operating Voltage (V _{mp})	34.17V	34.35V	34.53V	34.71V	34.88V
Optimum Operating Current (I _{mp})	18.09A	18.14A	18.22A	18.27A	18.35A
Open Circuit Voltage (V _{oc})	40.77V	40.96V	41.16V	41.35V	41.54V
Short Circuit Current (I _{sc})	18.97A	19.02A	19.10A	19.15A	19.23A

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

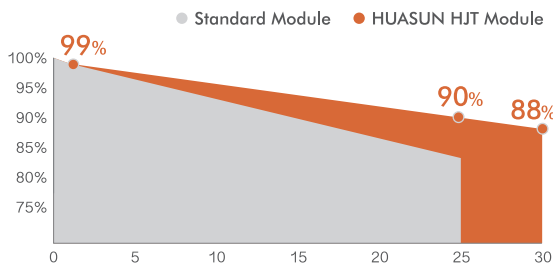
Temperature Characteristics

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

Safety & Warranty

Safety Class	Class II
Fire Rating	Class A
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 210 × 105mm
Cell Connection	110 (55 × 2)
Module Dimension	2384 × 1096 × 35 mm
Weight	32.3 kg
Junction Box	IP67 / IP68
Output Cable	4mm ² , 200mm 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

Container Length	40'
Pallets Per Container	20
Modules Per Pallet (pcs)	31
Modules Per Container (pcs)	620