

Himalaya M6 Series 390-410W

120-cell HJT Half Cell
AC Solar Module



HJT

Heterojunction

SMBB

SMBB Half-Cut
Cell Technology



PIB Technology



Reliable · Durable
· Sustainable

1 Module level MPPT

2 AC module harvests more energy

3 Rapid shutdown, safer for rooftop

4 Real-time monitoring function

5 Offers more convenient operation and maintenance

WARRANTY

Product
Warranty **15**
years

Linear
Power
Warranty **30**
years



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.

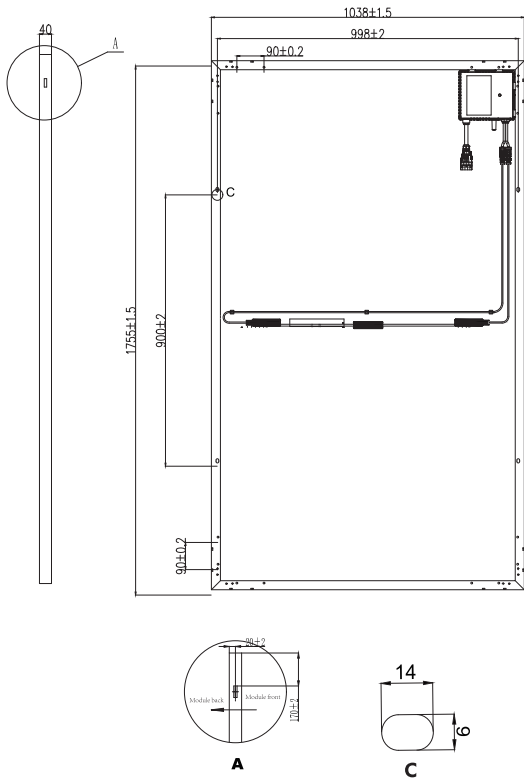
Himalaya M6 Series 390-410W

120-cell HJT Half Cell Solar AC Module

- BloombergNEF Tier 1 PV module manufacturer
- Reinsurance underwritten by Ariel Re

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

| Model | HS-B120 | HS-B120 | HS-B120 | HS-B120 | HS-B120 |
|---------------------------------|---------------|---------|---------|---------|---------|
| | DSB390 | DSB395 | DSB400 | DSB405 | DSB410 |
| Maximum Power (Pmax) | 390W | 395W | 400W | 405W | 410W |
| Module Efficiency (%) | 21.40% | 21.68% | 21.96% | 22.23% | 22.51% |
| Optimum Operating Voltage (Vmp) | 38.49V | 38.68V | 38.87V | 39.05V | 39.23V |
| Optimum Operating Current (Imp) | 10.13A | 10.21A | 10.29A | 10.37A | 10.45A |
| Open Circuit Voltage (Voc) | 45.61V | 45.90V | 46.20V | 46.49V | 46.77V |
| Short Circuit Current (Isc) | 10.62A | 10.68A | 10.74A | 10.80A | 10.86A |
| Operating Module Temperature | -40 to +85 °C | | | | |
| Maximum System Voltage | DC1500V (IEC) | | | | |
| Maximum Series Fuse | 20A | | | | |
| Power Tolerance | 0~+5W | | | | |

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

Output Data (AC)

| | HMS-300-1A | HMS-350-1A |
|--|--|------------|
| Rated output power (VA) | 300 | 350 |
| Rated output current (A) | 1.30 | 1.52 |
| Nominal output voltage/range (V)1 | 230/180 ~ 275 | |
| Nominal frequency/range (Hz)1 | 50/45-55 | |
| Power factor (adjustable) | > 0.99 default 0.8 leading ... 0.8 lagging" | |
| Total harmonic distortion | < 3% | |
| Maximum units per 12 AWG branch ² | 15 | 13 |
| Maximum units per 10 AWG branch ² | 24 | 21 |

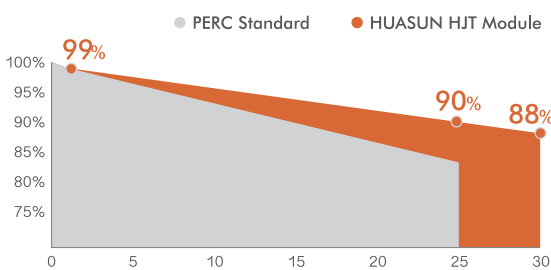
Temperature Characteristics

| | |
|-------------------------------------|--------------|
| 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 |

Safety & Warranty

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

* Less than 1% attenuation in the 1st year, the annual attenuation from the 2nd year is no more than 0.375%, and the power is no less than 88% until the 30th year.



* Refer to HUASUN standard warranty for details

Mechanical Characteristics

| | |
|------------------|--|
| Cell Type | HJT Mono 166 × 83mm |
| Cell Connection | 120 (6 × 20) |
| Module Dimension | 1755 × 1038 × 40 mm |
| Weight | 21.3 kg |
| Junction Box | IP68 |
| Output Cable | 4mm ² , 1200mm in length, length can be customized / UV resistant |
| Connectors Type | MC4 compatible |
| Frame | Anodised aluminum alloy |
| Front Load | 5400 Pa |
| Rear Load | 2400 Pa |
| Glass Thickness | Double glass, 2.0mm |

Shipping Configurations

| | HC | GP |
|-----------------------------|-----|-----|
| Container Size | 40' | 20' |
| Pallets Per Container | 26 | 6 |
| Modules Per Pallet (pcs) | 27 | 27 |
| Modules Per Container (pcs) | 702 | 162 |

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