

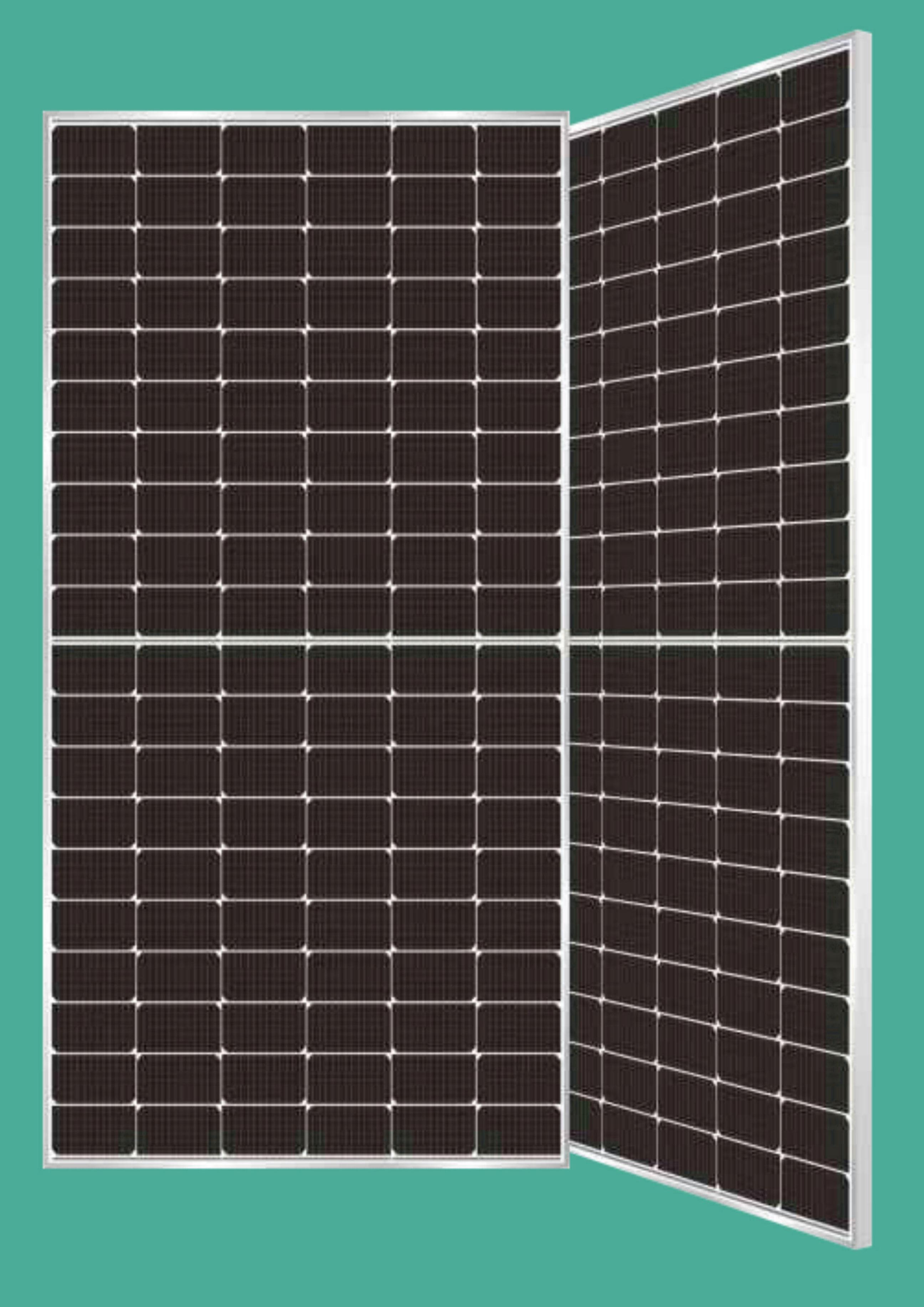
## SINGLE CRYSTAL

# 400W MBBHJT

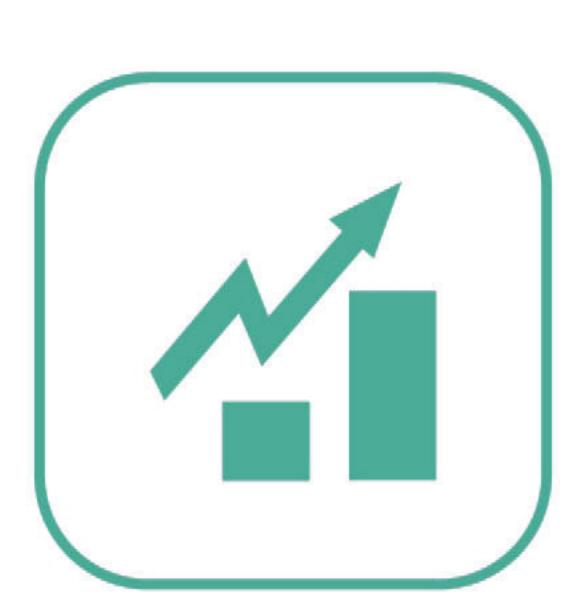
HN-H6/60GF 380-400 SERIES

#### Product Introduction

It is made of n-type heterojunction battery chip combined with multi main grid design and single-sided microcrystalline technology. The conversion efficiency is up to 22.86%, with an ultra-high double-sided rate of > 85%. Through the latest packaging materials and special packaging technology, the water vapor transmission rate is further reduced, the service life of the module is extended, and the 30-year power attenuation of the module is less than 12%, with higher reliability. It is applicable to different application sites such as household, industrial and commercial and ground power station.

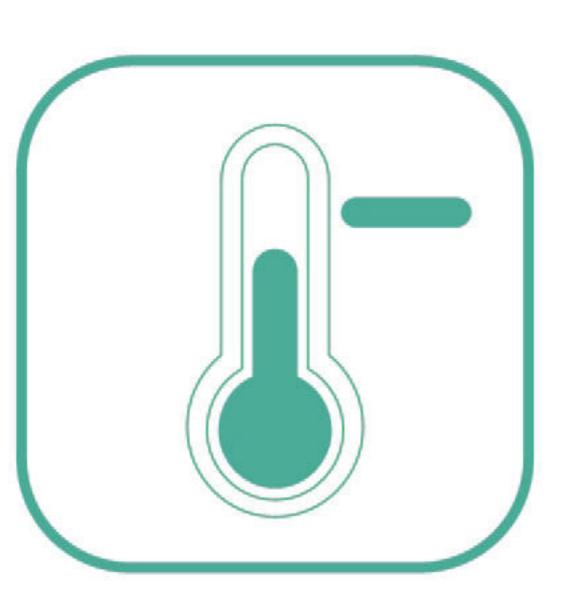


# Main Features



# Higher Power Output

It shows better power generation characteristics than conventional p-type crystalline silicon module under weak light



### Better Temperature Coefficient

The temperature coefficient of the maximum power (Pmax) is 0.26% / ℃, and the hjt module has great advantages in high temperature and high irradiation areas



# Less Shielding Loss

Better thermal spot resistance is obtained by optimizing the circuit design. The surface of HJT battery is TOC conductive, without LID / PID



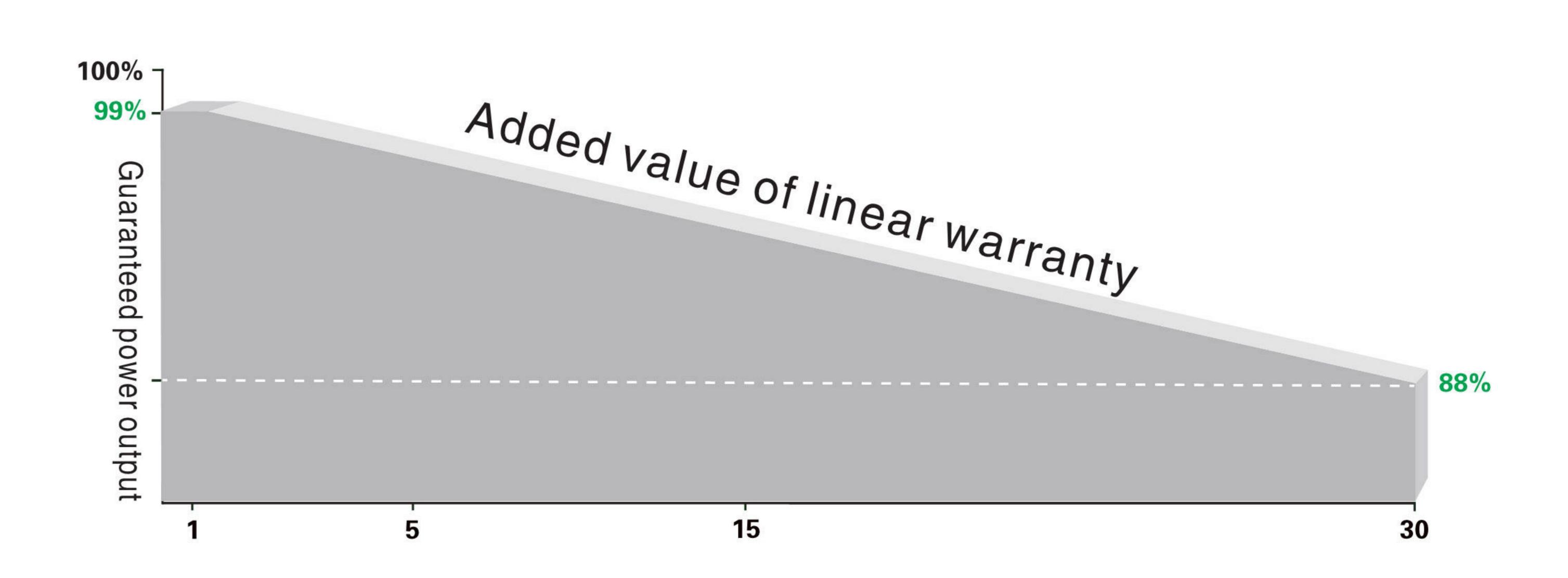
### Stronger Mechanical Properties

it has passed the certification of 2400pa wind load and 5400pa snow load

## Industry Leading Linear Warranty

15 year material and process warranty and 30 year linear warranty

≤1%in the first year, from the second year to the 30th year: ≤ 0.375% per year



Comprehensive Product And System Certification







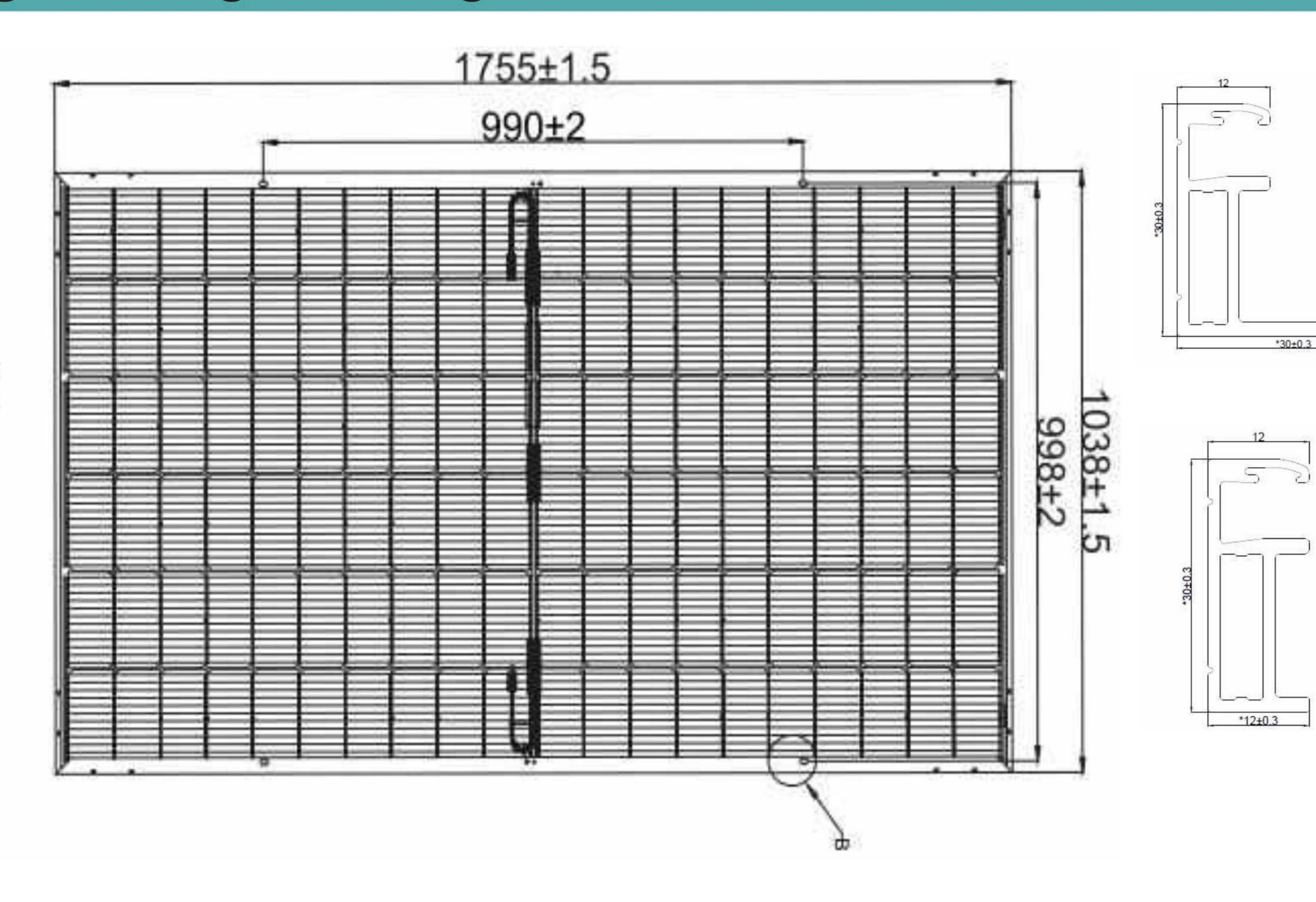






# HN-H6/60GF 380-400 SERIES

#### Engineering Drawings



Product Specifications

Battery Type HJT

Battery Slice 120 (6\*20)

Component Size 1755\*1038\*30mm

Glass Thickness 2.0mm

Border Type Anodized aluminum profile

Junction Box IP68, 3SPLIT

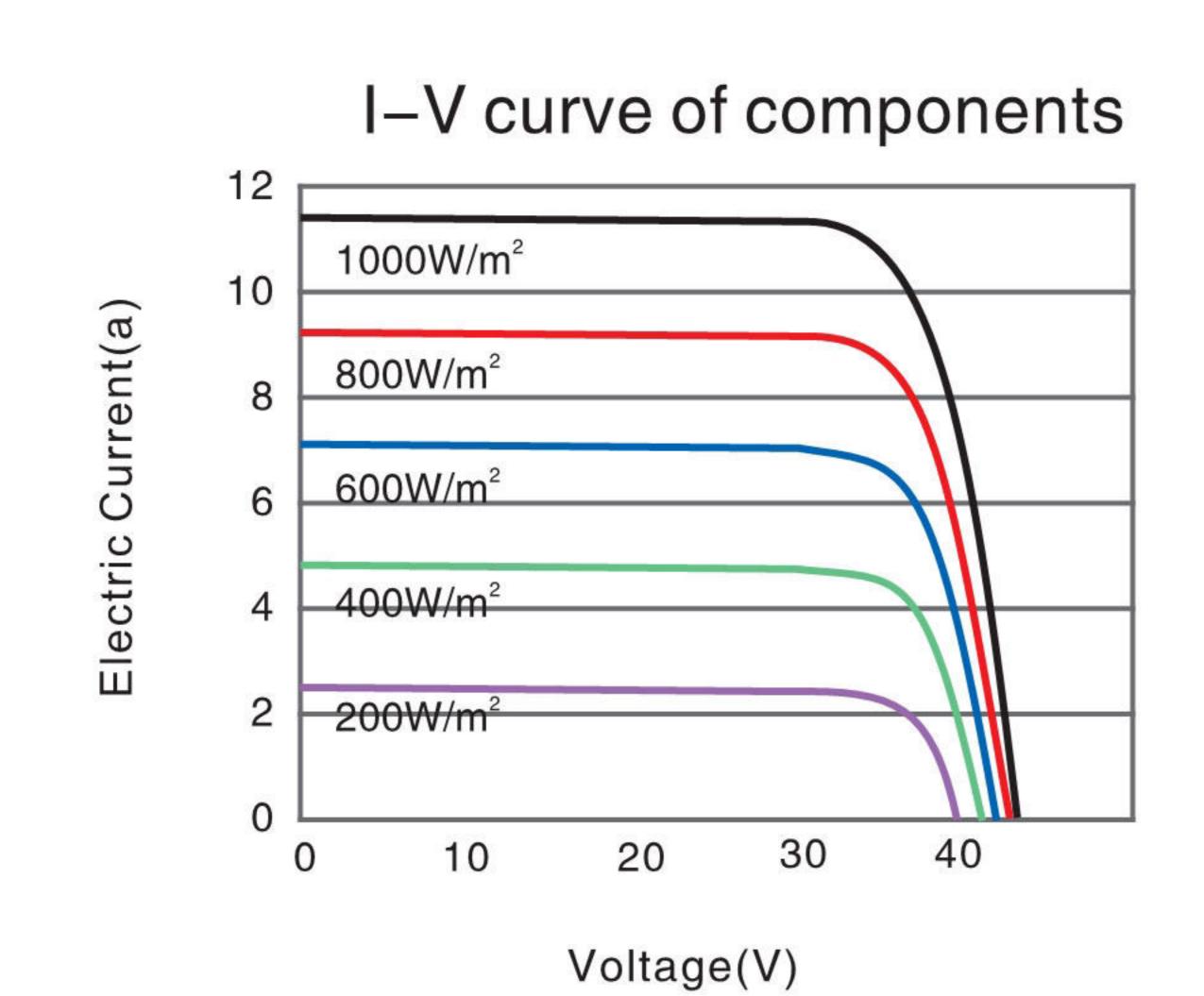
Cable Section 4mm<sup>2</sup>(IEC), 12AWG(UL)

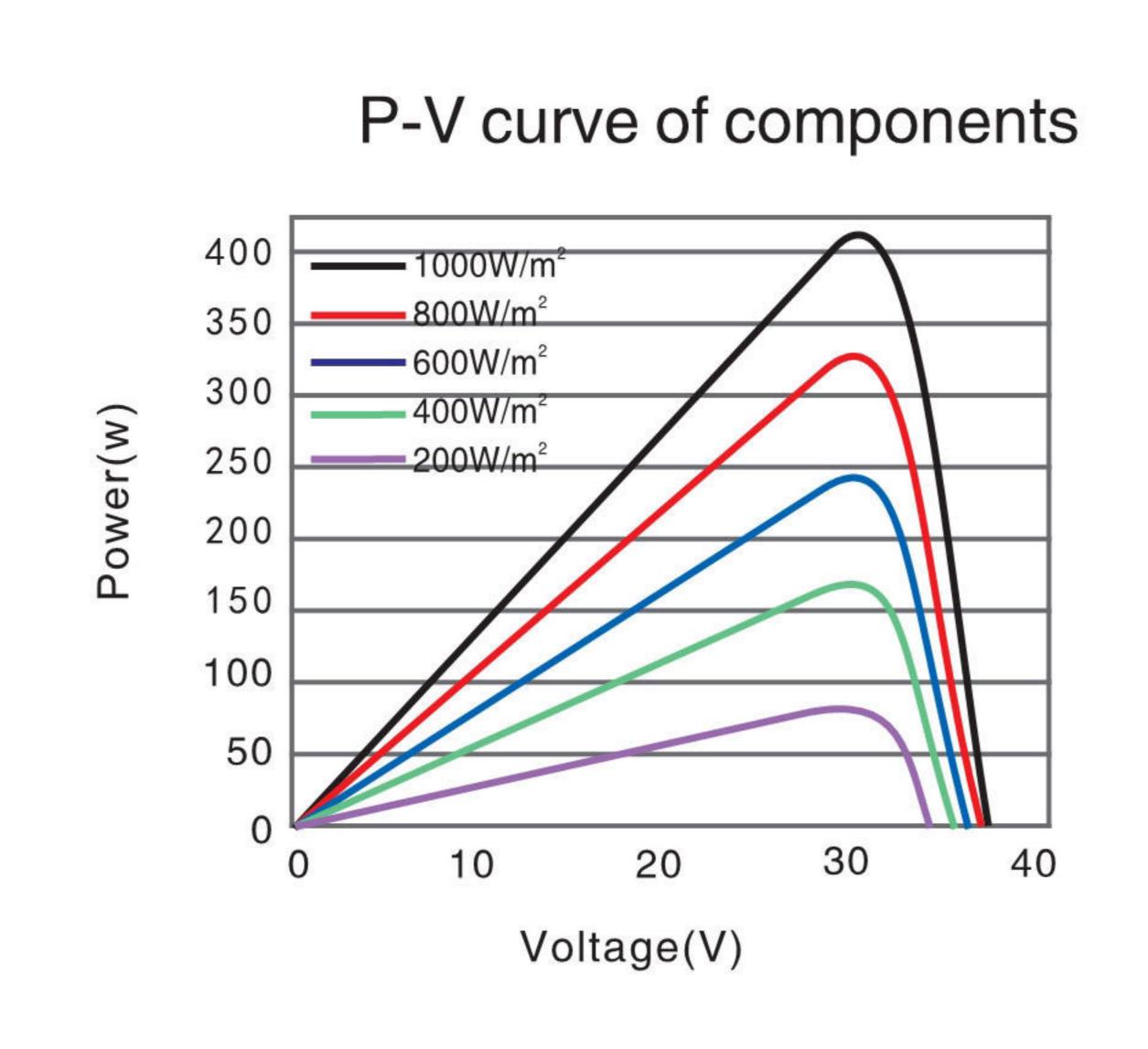
Note: the border color and cable length can be customized on demand

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|---|---------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Battery Performance Parameters                                      |               |       |               |       |               |       |               |       |               |       |
| Model   | HN-H6/60GF380 |       | HN-H6/60GF385 |       | HN-H6/60GF390 |       | HN-H6/60GF395 |       | HN-H6/60GF400 |       |
| Test Conditions   | STC           | NOCT  |
| Rated Peak Power(pmax)[w]   | 380           | 288   | 385           | 292   | 390           | 295   | 395           | 299   | 400           | 302   |
| Rated Peak Voltage(vmp)[v]  | 37.52         | 34.81 | 37.70         | 34.95 | 37.91         | 34.96 | 38.16         | 35.15 | 38.36         | 35.34 |
| Rated Peak Current(imp)[a]  | 10.17         | 8.26  | 10.22         | 8.33  | 10.30         | 8.44  | 10.36         | 8.50  | 10.44         | 8.57  |
| Open Circuit Voltage(voc)[v]  | 44. 22        | 41.57 | 44.35         | 41.52 | 44.48         | 41.52 | 44.61         | 41.50 | 44.74         | 41.62 |
| Short Circuit Current(isc)[a]                                       | 10. 50        | 8.52  | 10.56         | 8.08  | 10.62         | 8.65  | 10.68         | 8.71  | 10.74         | 8.76  |
| Overall Efficiency Of Components(%)                                 | 20.86%        |       | 21.13%        |       | 21.41%        |       | 21.68%        |       | 21.96%        |       |
| Operating Temperature(°C)   | -40°C~+85°C   |       |               |       |               |       |               |       |               |       |
| Maximum System Voltage  | 1500VDC(IEC)  |       |               |       |               |       |               |       |               |       |
| Maximum Fuse Rated Current  | 20A           |       |               |       |               |       |               |       |               |       |
| Power Tolerance   | 0~+3%         |       |               |       |               |       |               |       |               |       |
| Rated Power Temperature Coefficient (pmpp)                          | −0.26%/°C     |       |               |       |               |       |               |       |               |       |
| Open Circuit Voltage Temperature Coefficient (voc)                  | −0.24%/°C     |       |               |       |               |       |               |       |               |       |
| Short Circuit Current Temperature Coefficient(isc)                  | 0.04%/℃       |       |               |       |               |       |               |       |               |       |
| Nominal Operating Temperature Of Battery                            | 44 ± 2°C      |       |               |       |               |       |               |       |               |       |
| Number Of Diodes  | 3             |       |               |       |               |       |               |       |               |       |
| Protection Grade Of Junction Box                                    | IP68          |       |               |       |               |       |               |       |               |       |

STC: light intensity 1000w/m2, battery temperature 25 °C, atmospheric quality = 1.5 NOCT: light intensity 800w/m², battery temperature 20 °C, atmospheric quality = 1.5, wind speed 1 m/s

#### Characteristic Curv





#### Packaging Parameters

Component Weigh 23.5kg±3%
Single Trailer Quantity 36pieces / tray

Weight Per Palle 896kg

Loading Capacity 936 pieces / 40ft containers 1368pieces / car (17.5m flat car)