

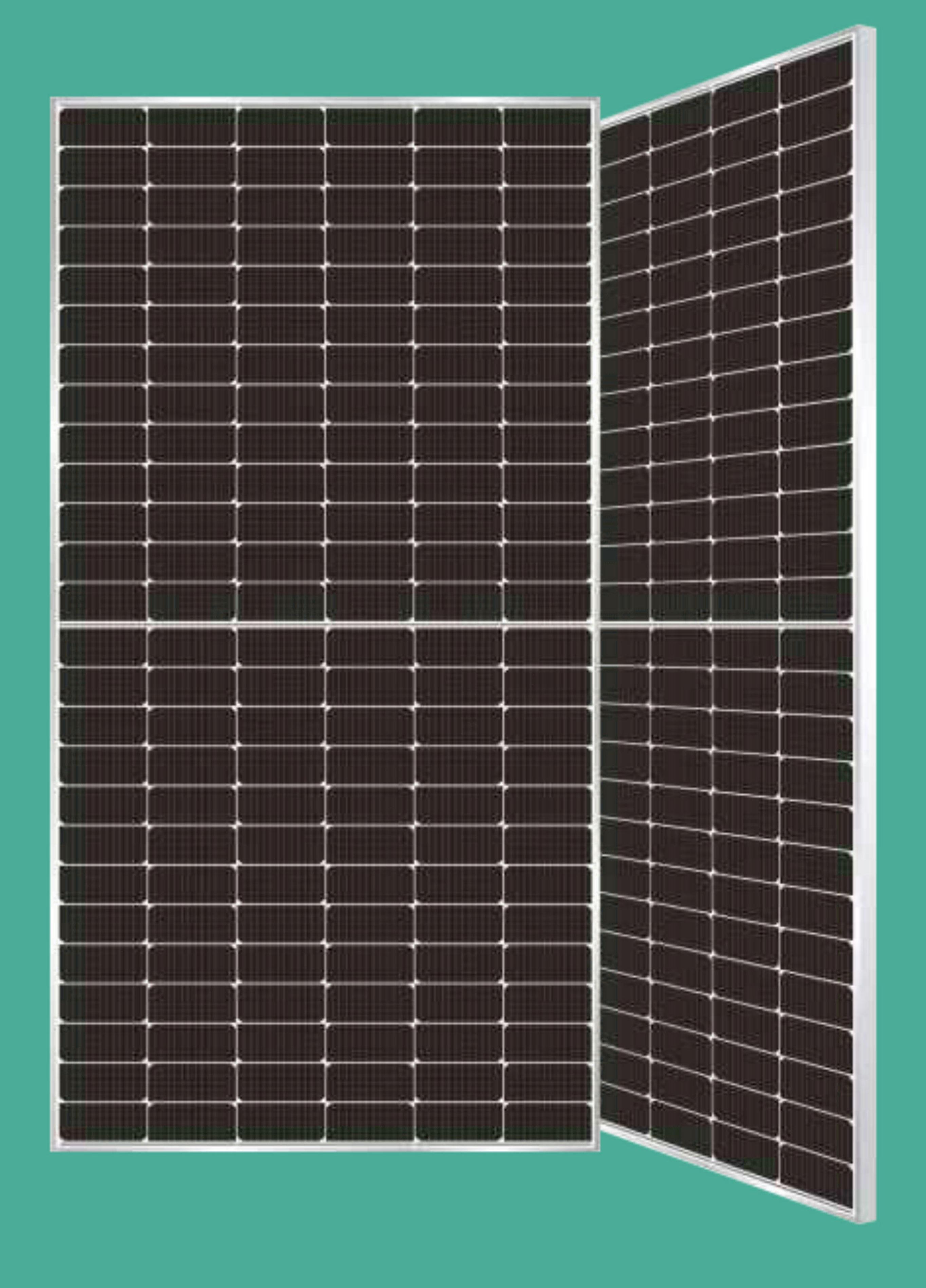
SINGLE CRYSTAL

520WMBBHJT

HN-H6/78GF 500-520 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.

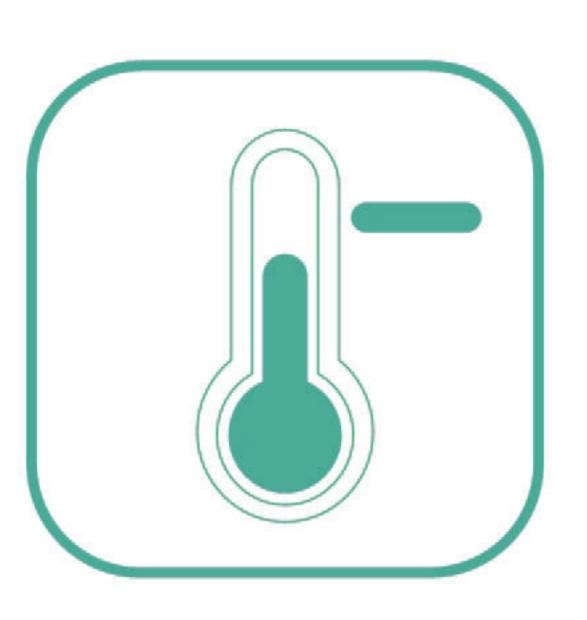


Main Features



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



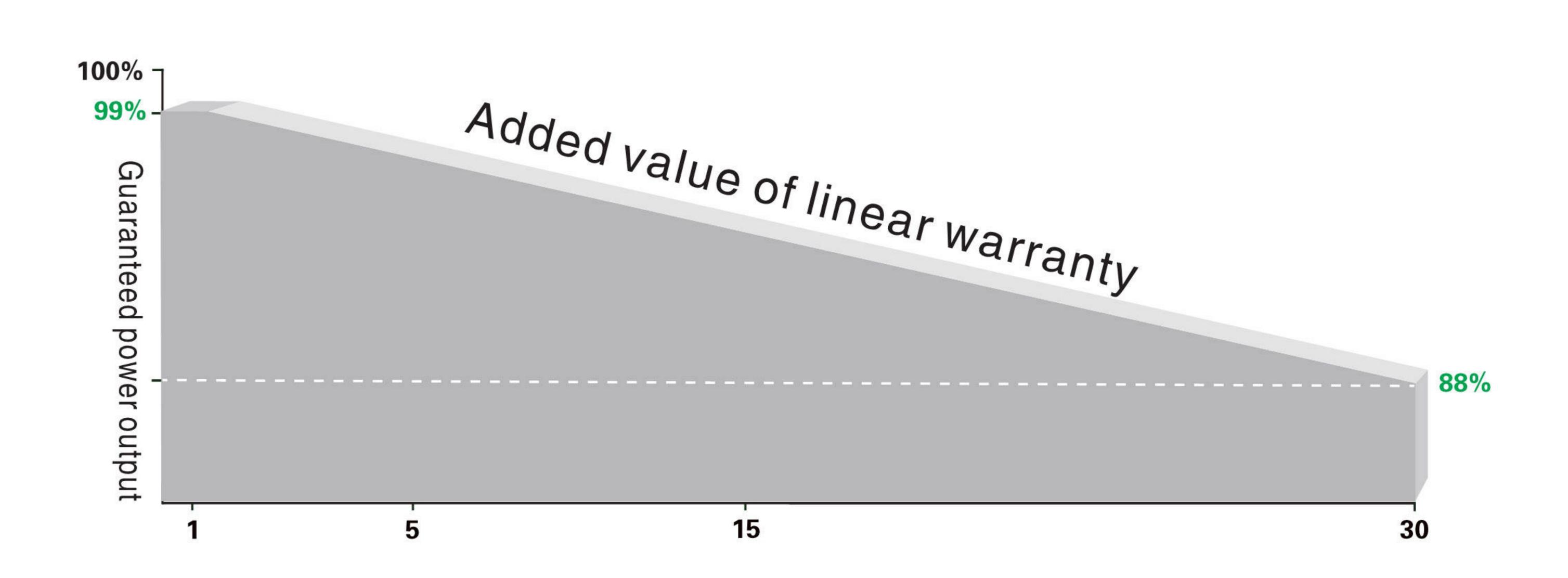
Stronger Mechanical Properties

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







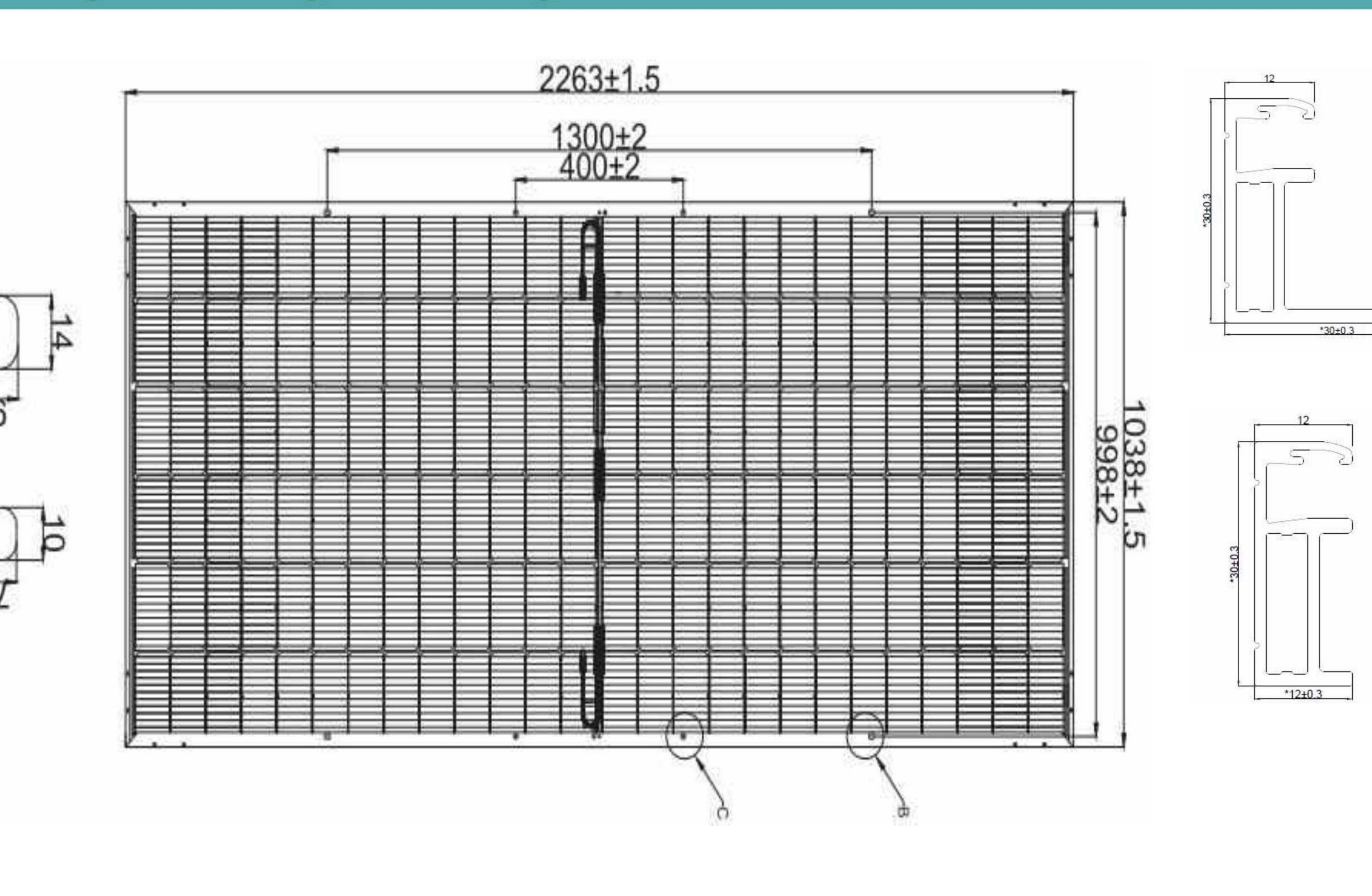






HN-H6/78GF 500-520 SERIES

Engineering Drawings



Product Specifications

Battery Type HJT

Battery Slice 156 (6*26)

Component Size 2263*1038*30mm

Glass Thickness 2.0mm

Border Type Anodized aluminum profile

Junction Box IP68, 3SPLIT

Cable Section 4mm²(IEC), 12AWG(UL)

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

Battery Performance Parameters										
Model	HN-H6/78GF500		HN-H6/78GF505		HN-H6/78GF510		HN-H6/78GF515		HN-H6/78GF520	
Test Conditions	STC	NOCT								
Rated Peak Power(pmax)[w]	500	372	505	376	510	380	515	383	520	387
Rated Peak Voltage(vmp)[v]	48.36	45.12	48.61	45.36	48.95	45.80	49.24	46.16	49.53	46.53
Rated Peak Current(imp)[a]	10.34	8.24	10.39	8.28	10.42	8.28	10.46	8.30	10.50	8.31
Open Circuit Voltage(voc)[v]	58.01	54.76	58.04	54.78	58.15	54.89	58.19	54.92	58.21	54.95
Short Circuit Current(isc)[a]	10.67	8.62	10.70	8.64	10.71	8.65	10.73	8.68	10.76	8.69
Overall Efficiency Of Components(%)	21.29%		21.50%		21.71%		21.92%		22.14%	
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%/℃									

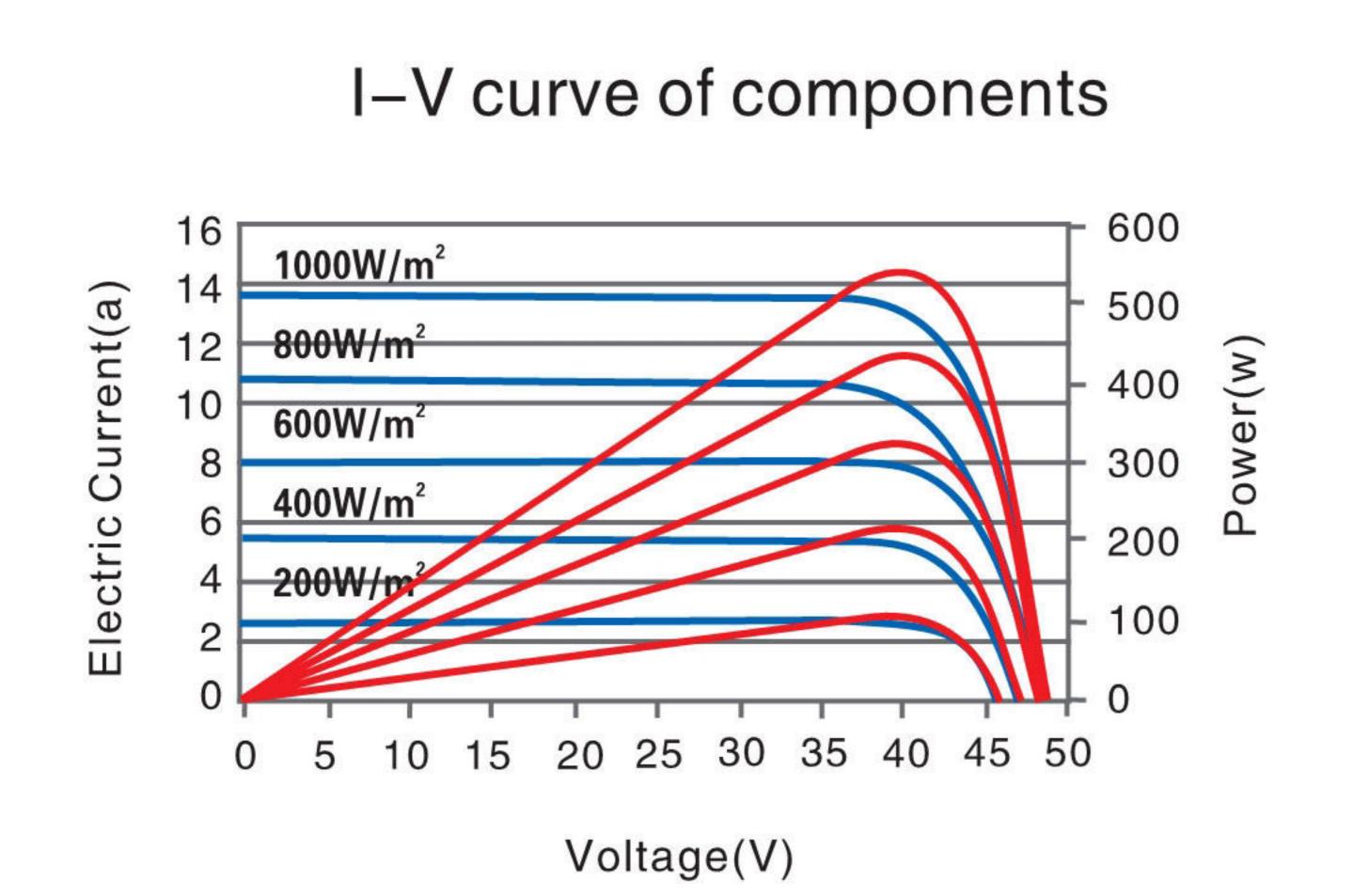
STC: light intensity 1000w/m2, battery temperature 25 °C, atmospheric quality = 1.5 NOCT: light intensity 800w/m², battery temperature 20 °C, atmospheric quality = 1.5, wind speed 1 m/s

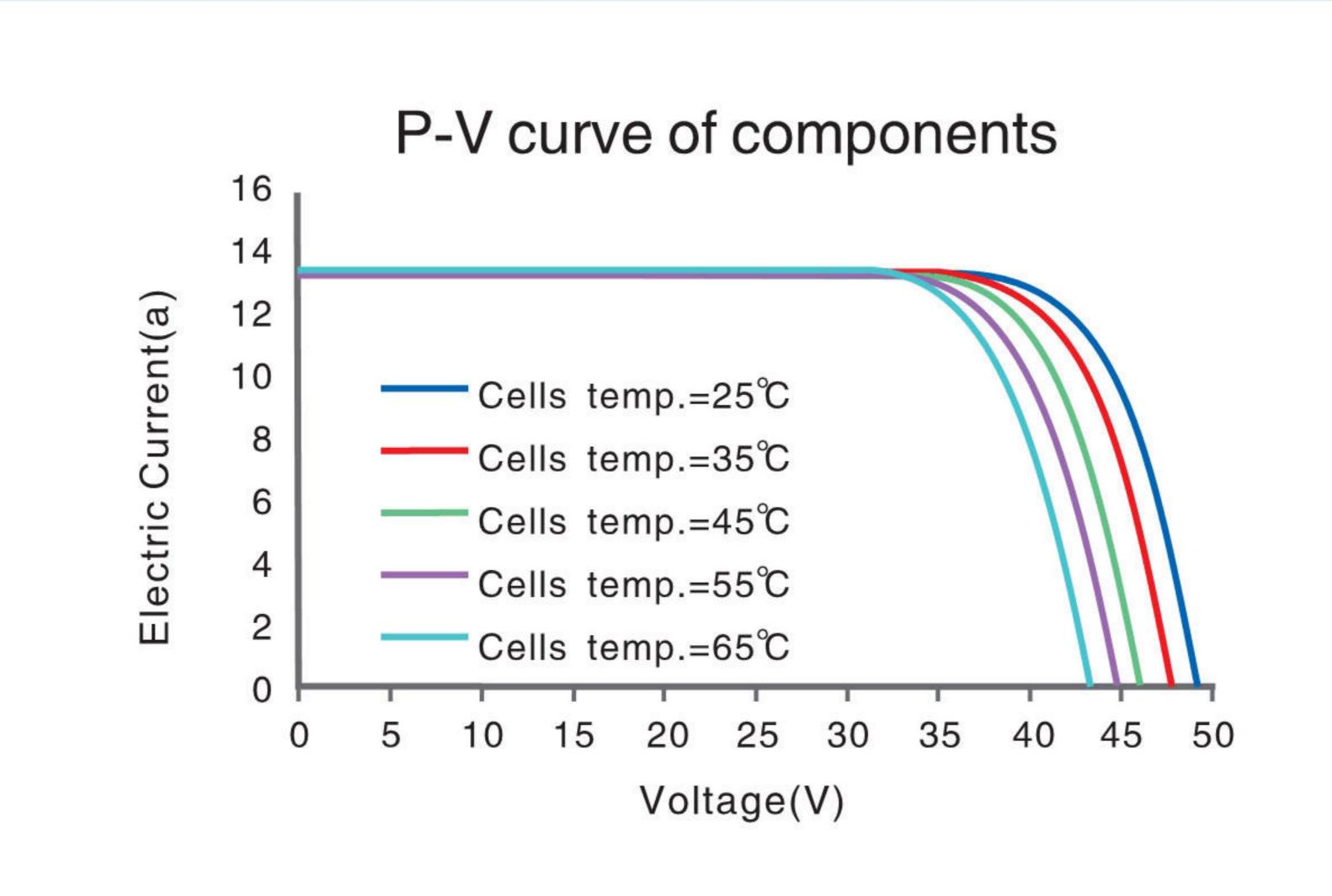
Characteristic Curv

Number Of Diodes

Nominal Operating Temperature Of Battery

Protection Grade Of Junction Box





Packaging Parameters

44 ± 2°C

IP68

Component Weigh 29.5kg±3%

Single Trailer Quantity 36pieces / tray

Weight Per Palle 1112kg

Loading Capacity 720 pieces / 40ft containers 1080pieces / car (17.5m flat car)