

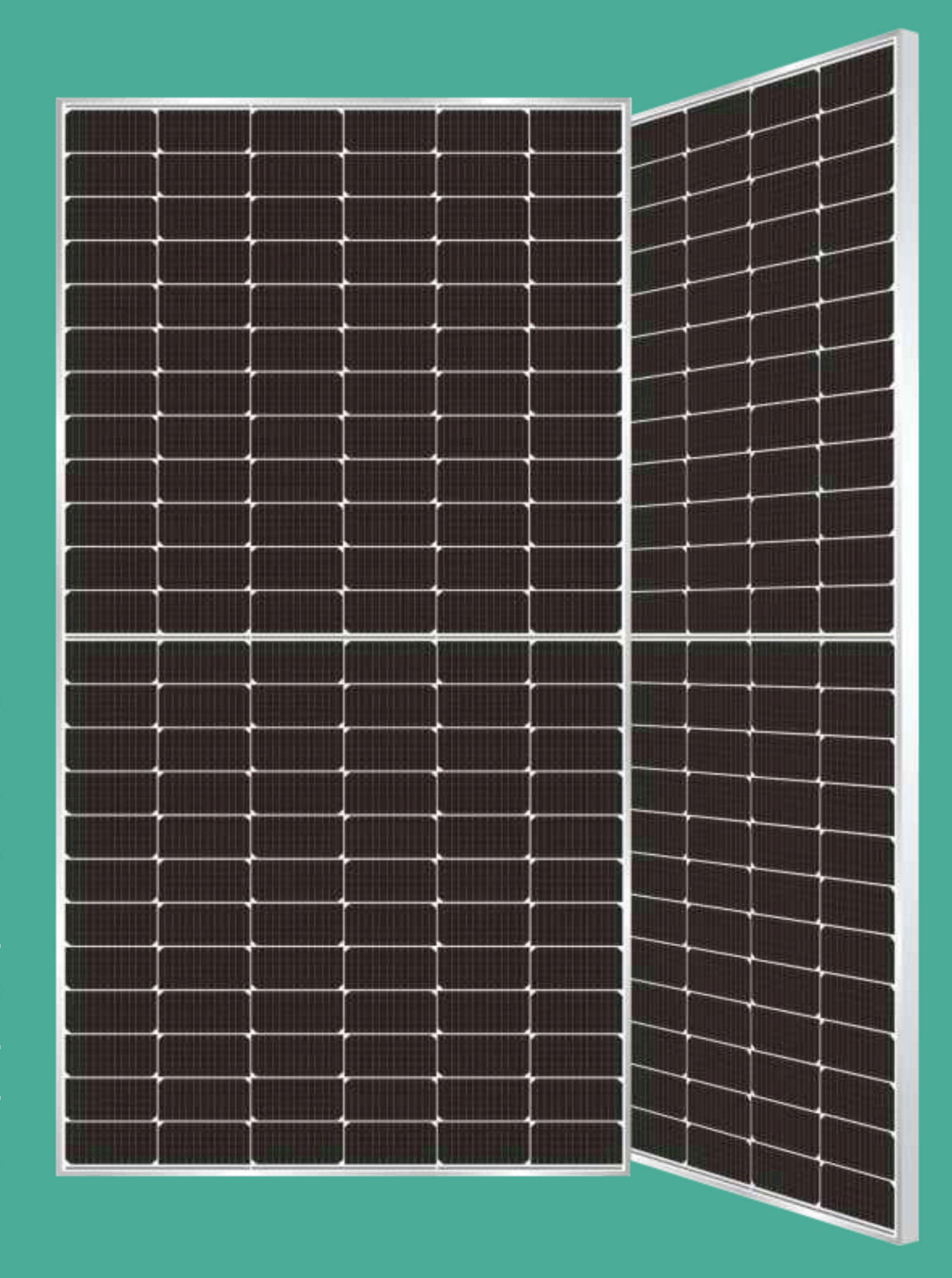
SINGLE CRYSTAL

480W MBB HJT

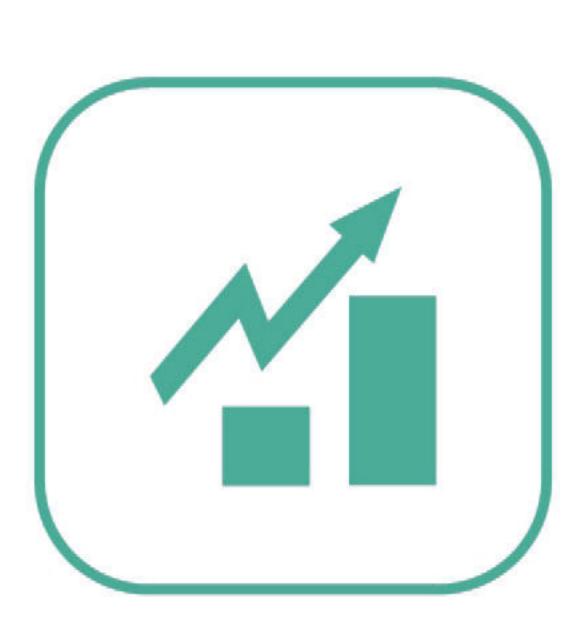
HN-H6/72GF 460-480 SERIES

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.

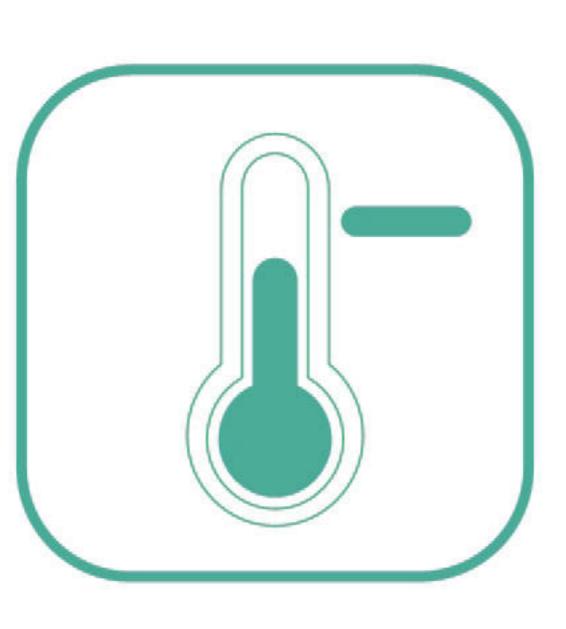


Main Features



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



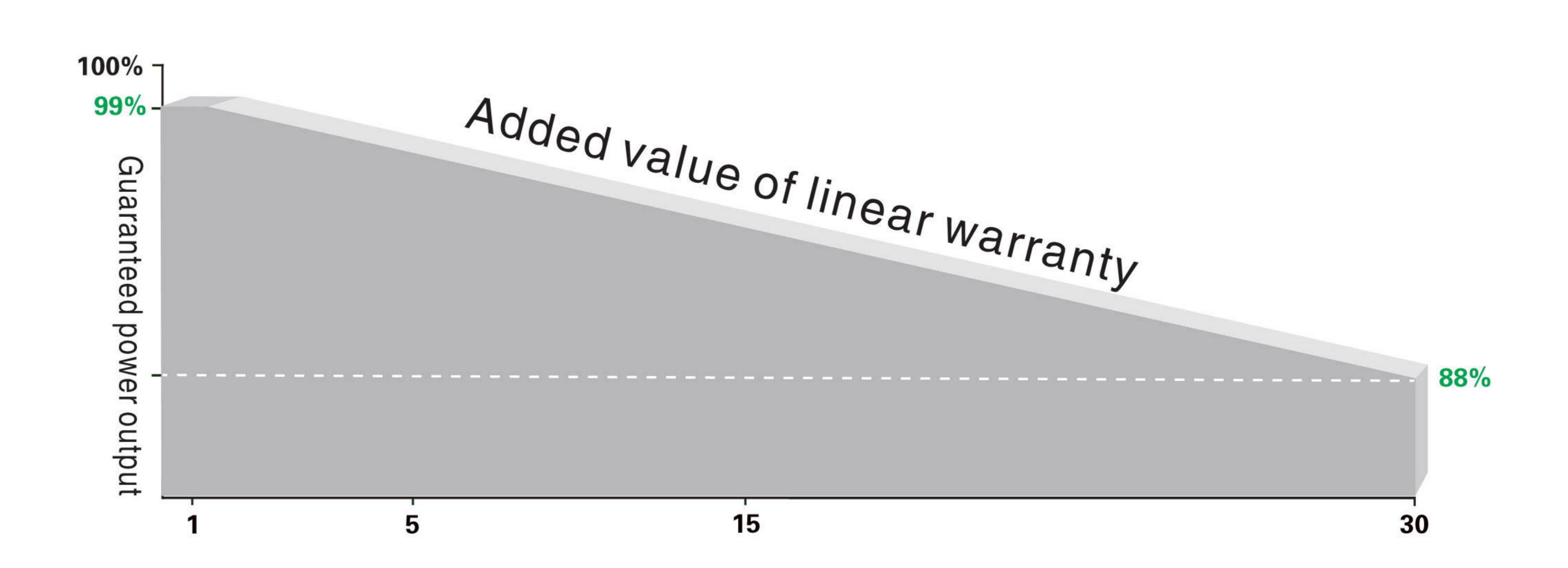
Stronger Mechanical Properties

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-H6/72GF 460-480 SERIES

Engineering Drawings 2094±1.5 1300±2 400±2 988±2 1038±1.5 1038±1.5 1038±1.5 1038±1.5

Product Specifications

Battery Type HJT

Battery Slice 144 (6*24)

Component Size 2094*1038*30mm

Glass Thickness 2.0mm

Border Type Anodized aluminum profile

Junction Box IP68, 3SPLIT

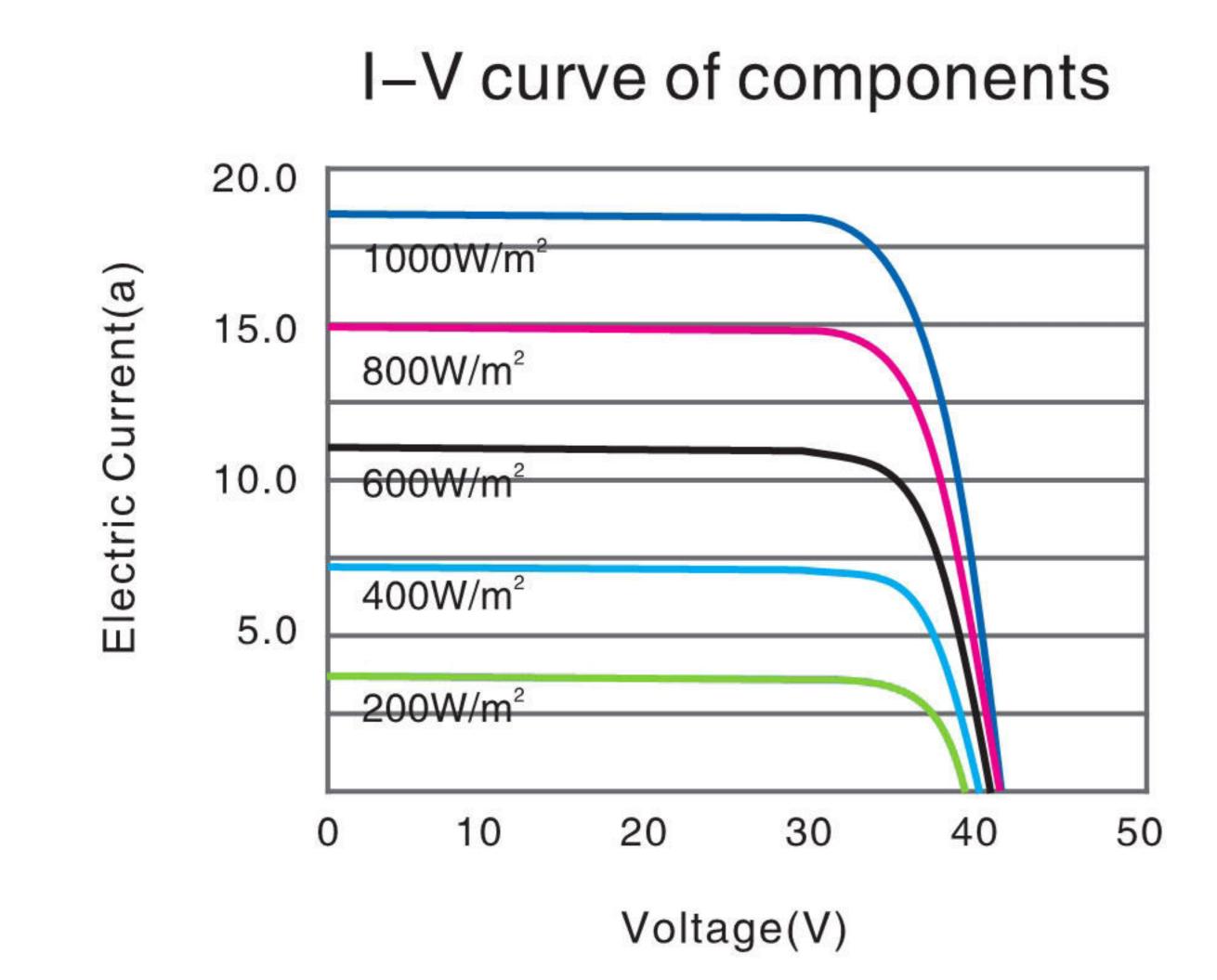
Cable Section 4mm²(IEC), 12AWG(UL)

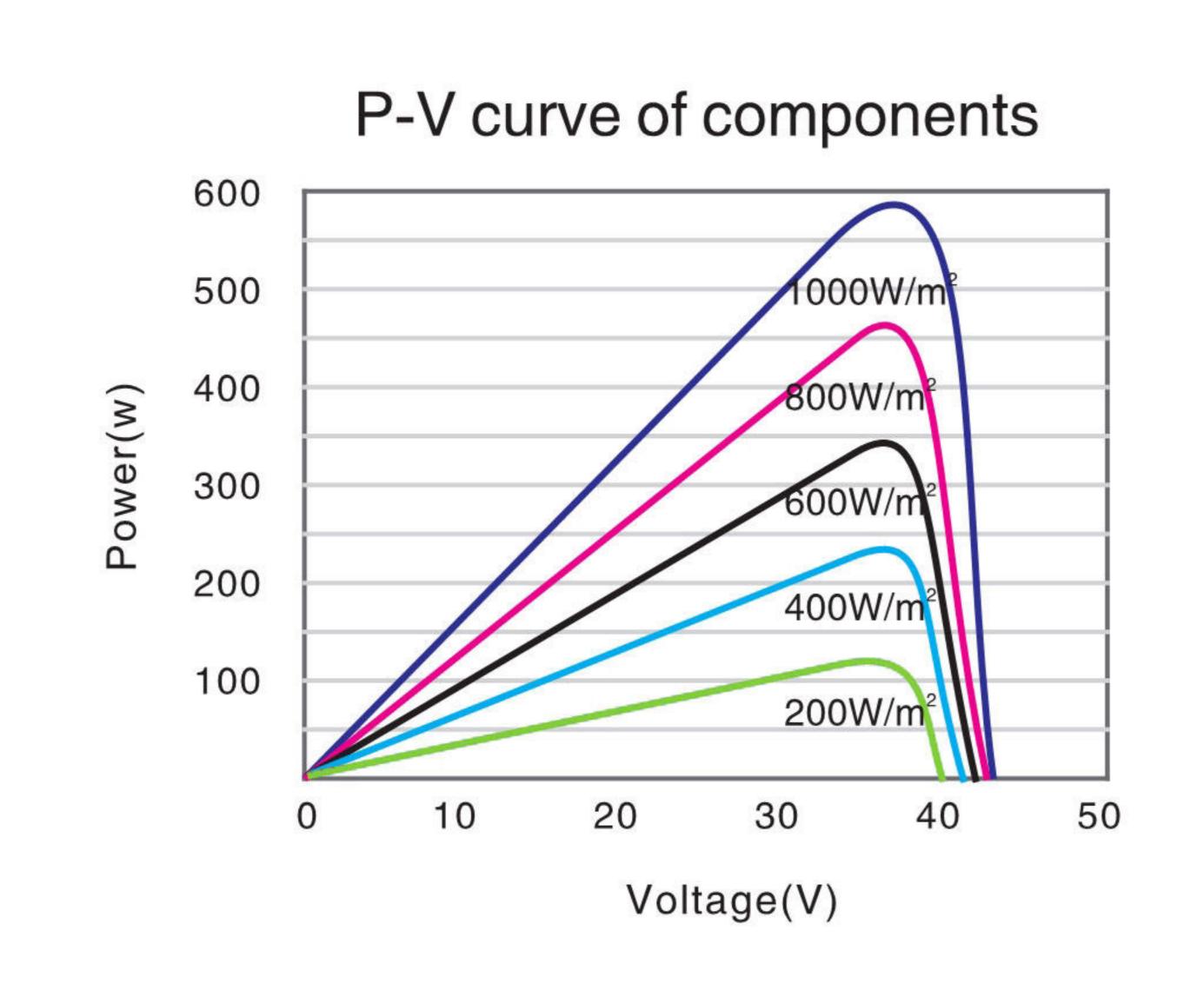
Note: the border color and cable length can be customized on demand

Battery Performance Parameters										
Model	HN-H6/72GF460		HN-H6/72GF465		HN-H6/72GF470		HN-H6/72GF475		HN-H6/72GF480	
Test Conditions	STC	NOCT								
Rated Peak Power(pmax)[w]	460	321	465	326	470	328	475	333	480	336
Rated Peak Voltage(vmp)[v]	45. 24	46. 11	45. 44	46. 25	45. 66	46. 40	45. 86	46. 62	46. 08	46. 84
Rated Peak Current(imp)[a]	10. 18	6. 98	10. 24	7.04	10.30	7.08	10.36	7. 13	10.43	7. 18
Open Circuit Voltage(voc)[v]	53. 22	51. 76	53. 35	51.96	53. 48	51.91	53. 61	51.96	53. 74	52. 09
Short Circuit Current(isc)[a]	10. 58	7.60	10.64	7.65	10.70	7.70	10. 76	7. 77	10.82	7.81
Overall Efficiency Of Components(%)	21.16%		21.39%		21.62%		21.85%		22.08%	
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 1m/s

Characteristic Curv





Packaging Parameters

Component Weigh 27.5kg±3%

Single Trailer Quantity 36pieces / tray

Weight Per Palle 1040kg

Loading Capacity 792 pieces / 40ft containers

1152pieces / car (17.5m flat car)