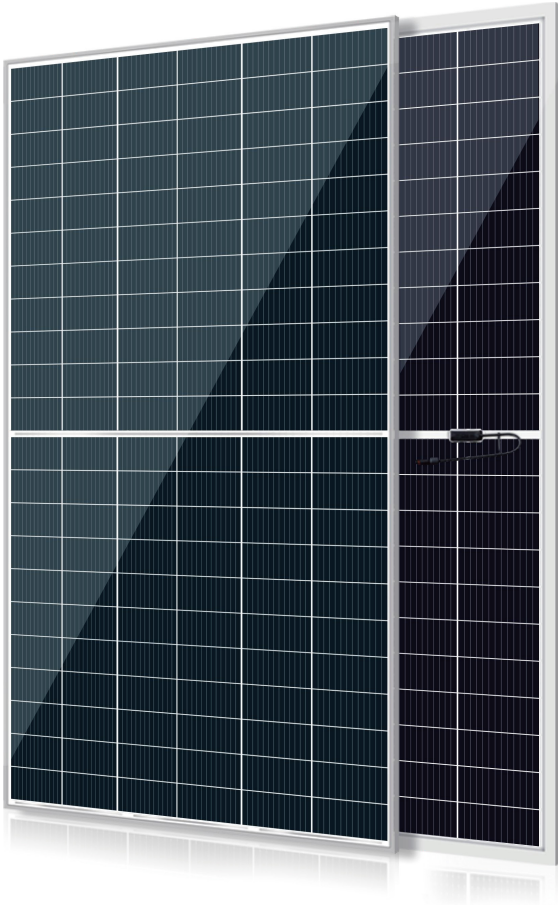
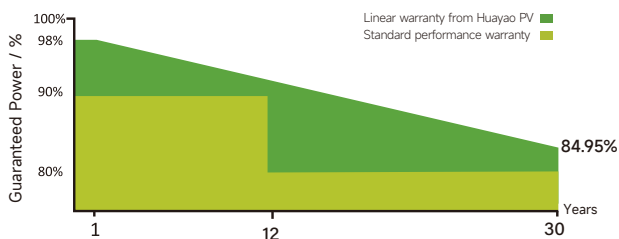


**650~670W** HY670-M132CDD



## LINEAR PERFORMANCE WARRANTY

- 15** Year Product Warranty
- 30** Year Linear Power Warranty



## Hyper M66

Bi-facial  
132-cell, 210mm, MBB  
0~+3% positive tolerance

## KEY FEATURES



### Mbb half cell design

Half-cut cells brings lower cell connection loss and lower thermal coefficients to ensures higher power output



### More Power

Innovative 210mm big cell applied to ensure module power up to 670 Wp



### High Reliability

Strict outsourcing BOM materials quality control and 100% in-house wafer and cell applied to module production



### Excellent Low-light Performance

Advanced solar cell surface texturing technology allows for excellent performance in low-light environments



### Highly Strengthened Design

Certified to withstand 5400 Pa snow load and 2400Pa wind load



### PID Resistant

Excellent PID resistance performance optimized by unique cell process design and BOM material control



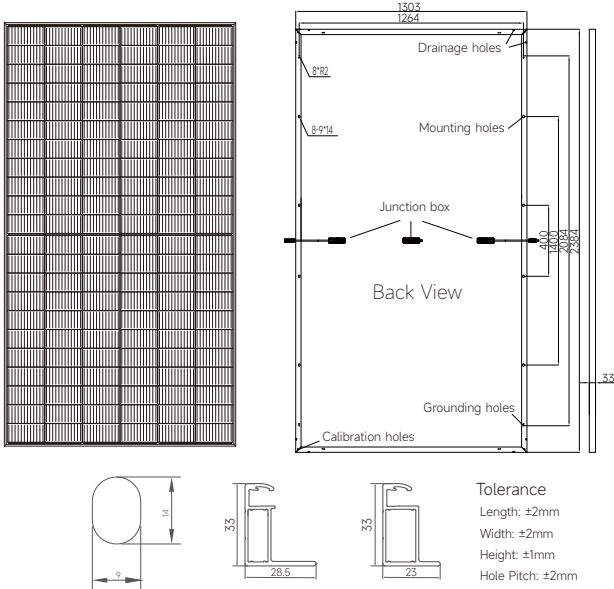
### Fire resistance

Class of reaction to Class A

IEC 61215 (2016), IEC 61730 (2016)



## Engineering Drawings



## Electrical Characteristics

	HY650-M132CDD	HY655-M132CDD	HY660-M132CDD	HY665-M132CDD	HY670-M132CDD
Pmax(W)	650	655	660	665	670
Vmp(V)	37.75	37.91	38.07	38.22	38.38
Imp(A)	17.22	17.28	17.34	17.40	17.46
Voc (V)	45.55	45.70	45.85	46.00	46.15
Isc(A)	18.26	18.32	18.38	18.44	18.50
Module efficiency(%)	20.92	21.08	21.24	21.41	21.57
Maximum system voltage(V)	1500				
Fuse Rating(A)	30				
Temperature coefficient Pmax(%°C)	-0.34				
Temperature coefficient Isc(%°C)	0.04				
Temperature coefficient Voc(%°C)	-0.25				

STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25°C, AM=1.5

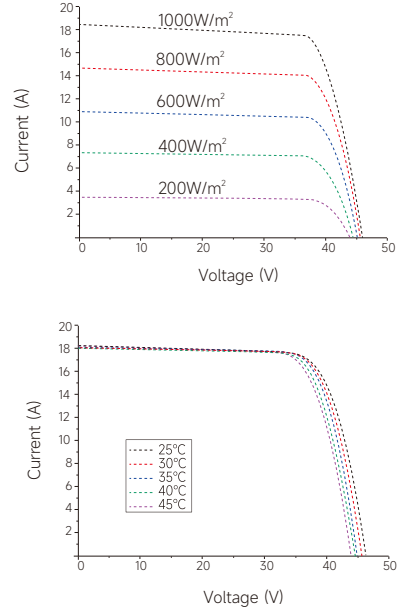
### Bifacial Output-Backside Power Gain

	Pmax(W)	715	720.5	726	731.5	737
10%	Module efficiency(%)	23.02	23.19	23.37	23.55	23.72
20%	Pmax(W)	780	786	792	798	804
	Module efficiency(%)	25.11	25.30	25.49	25.69	25.88

## Packing Configuration

Pieces per pallet	33
Size of packing (mm)	1330*1130*2535
Weight of packing (kg)	1272
Pieces per container	594
Size of container	40' HQ

## I-V Curves



## Working Characteristics

	HY650-M132CDD	HY655-M132CDD	HY660-M132CDD	HY665-M132CDD	HY670-M132CDD
Pmax(W)	491	495	499	503	506
Vmp(V)	35.14	35.30	35.47	35.63	35.72
Imp(A)	13.98	14.02	14.07	14.12	14.17
Voc(V)	42.01	42.26	42.38	42.55	42.72
Isc(A)	14.71	14.76	14.80	14.85	14.90
Power tolerance(%)	0~+3				
NOCT(°C)	44±2				

NOCT: Conditions: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

## Mechanical Characteristics

Number of cells	132 pcs
Size of cell (mm)	210*105
Type of cell	Mono
Thickness of glass (mm)	2.0
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2384*1303*33
Weight (kg)	38.0
Cables/connectors	4mm <sup>2</sup> , MC4 compatible
Length of Cable	Portrait: +300mm/ -300mm

## Maximum Ratings

Operating Temperature(°C)	-40-85
Operating humidity(%)	5-85
Allowable Hail Load	25mm ice-ball with velocity of 23m/s

