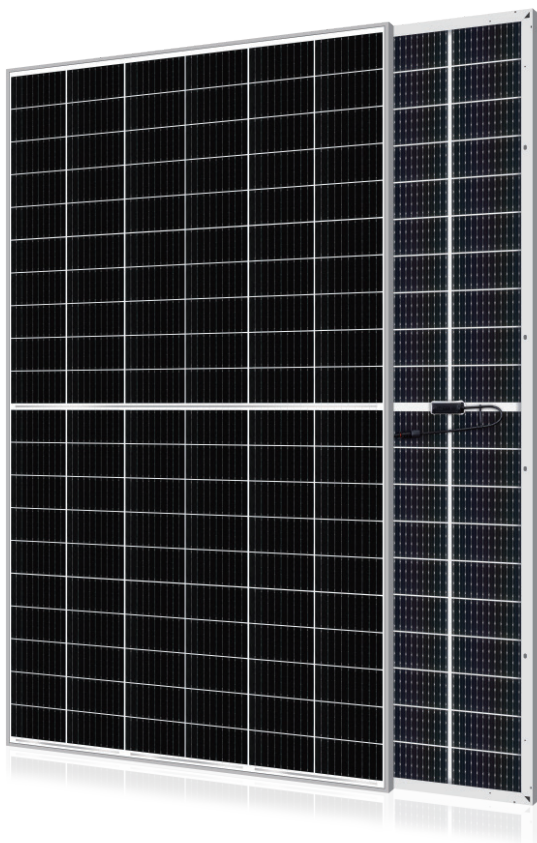
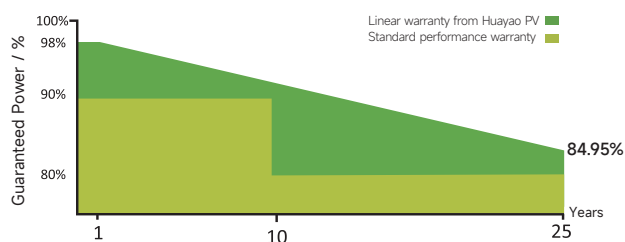


**605~610W HY605~610-M120CDD**



## LINEAR PERFORMANCE WARRANTY

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



## Hyper M60

Bi-facial  
120-cell, 210mm, MBB  
±3% power tolerance

## KEY FEATURES



### MBB half cell design

Half-cut cells bring lower cell connection loss and lower thermal coefficients to ensure higher power output



### More Power

Innovative 210mm big cell applied to ensure module power up to 610 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: 5400Pa snow load and 2400Pa wind load



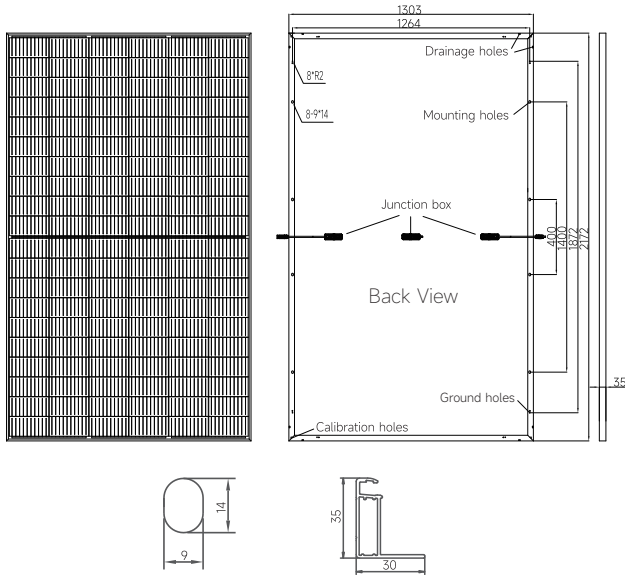
### PID Resistant(Available on Request)

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

IEC 61215 (2016), IEC 61730 (2016)



## Engineering Drawings



## Electrical Characteristics

	HY605-M120CDD	HY610-M120CDD
P <sub>max</sub> (W)	605	610
V <sub>mp</sub> (V)	34.57	34.74
I <sub>mp</sub> (A)	17.50	17.56
V <sub>oc</sub> (V)	41.38	41.46
I <sub>sc</sub> (A)	18.52	18.57
Module efficiency(%)	21.37	21.55
Maximum system voltage(V)	1500	
Fuse Rating(A)	30	
Temperature coefficient P <sub>max</sub> (%/°C)	-0.34	
Temperature coefficient I <sub>sc</sub> (%/°C)	0.04	
Temperature coefficient V <sub>oc</sub> (%/°C)	-0.25	

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

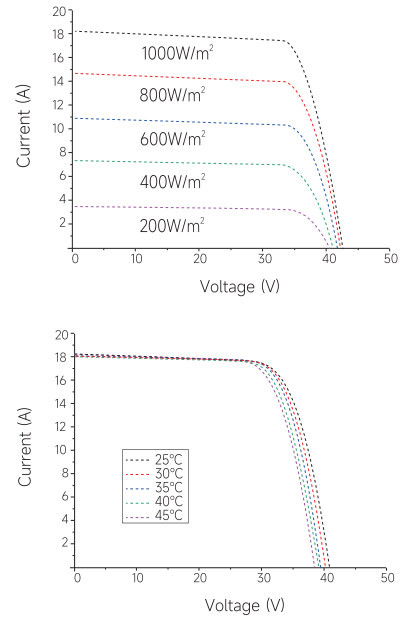
## Bifacial Output-Backside Power Gain

		HY605-M120CDD	HY610-M120CDD
10%	P <sub>max</sub> (W)	665	671
	Module efficiency(%)	23.50	23.70
20%	P <sub>max</sub> (W)	726	732
	Module efficiency(%)	25.65	25.86

## Packing Configuration

Pieces per pallet	31
Size of packing (mm)	1350*1130*2300
Weight of packing (kg)	1145
Pieces per container	527
Size of container	40' HQ

## I-V Curves



## Working Characteristics

	HY605-M120CDD	HY610-M120CDD
P <sub>max</sub> (W)	459	463
V <sub>mp</sub> (V)	32.12	32.27
I <sub>mp</sub> (A)	14.29	14.34
V <sub>oc</sub> (V)	38.75	38.82
I <sub>sc</sub> (A)	15.09	15.13
Power tolerance(%)	±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	120 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)	2172*1303*35
Weight (kg)	35
Cables/connectors	4mm <sup>2</sup> , Genuine MC4-EVO
Length of Cable	Portrait: +300mm/ -300mm

## Maximum Ratings

Fire Rating	Class C (IEC 61730)
Operating Temperature(°C)	-40~85
Operating humidity(°C)	5-85
Allowable Hail Load	25mm ice-ball with velocity of 23m/s

MADE IN CHINA

Revised in June 2022 1st Edition

CAUTION: All rights reserved by Huayao PV.

Specifications included in this datasheet are subject to change without notice

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