

# AU-120HCLMB

## POWER RANGE

350W~390W

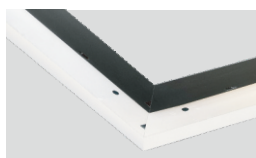
## CELL FEATURE

166\*83, 23.71%



### JUNCTION BOX

High waterproof rating  
Protection Degree: IP67  
Safety Class: Class II  
Rated Voltage: 1500V



### FRAME

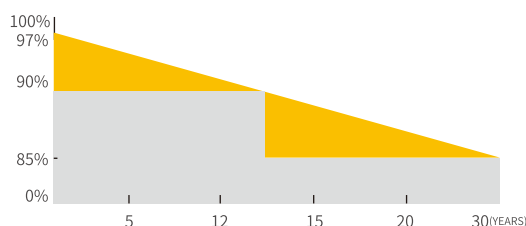
Strong mechanical load  
resistance up to 5400 Pa  
Anodic oxidation layer resistant  
to chemical corrosion  
Available in silver and black

## QUALIFICATIONS AND CERTIFICATES



• IEC61215 / • IEC61730

## WARRANTY

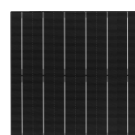


12  
YEARS

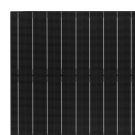
Guarantee on product material and workmanship

30  
YEARS

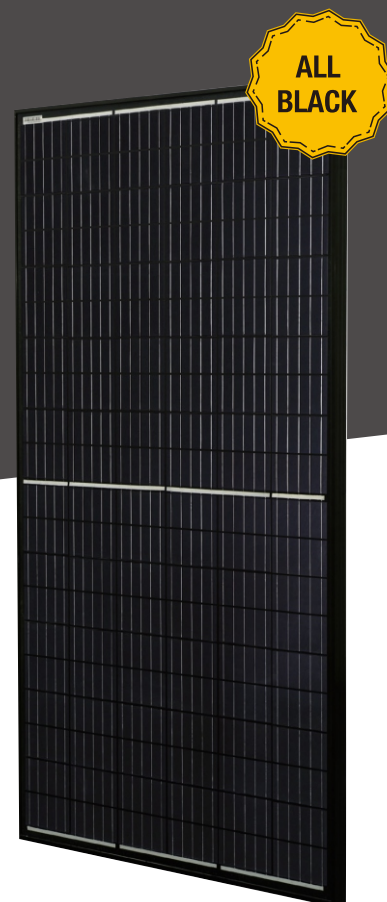
Linear Power output warranty



6BB



9BB



### Higher power output

Resistance decreases and fill factor increases, then output power increases by 5-10 watts



### Longer life span

Hot spot effect is reduced and modules life span is extended.



### Better durability

Perform excellently in low irradiance and other severe environment, such as salt mist, ammonia, sand blowing, etc. conditions



### PID Resistant

Perfect resistance against PID (Potential Induced Degradation) to secure your investment.

AUSTA ENERGY  
[www.austagroup.com](http://www.austagroup.com)

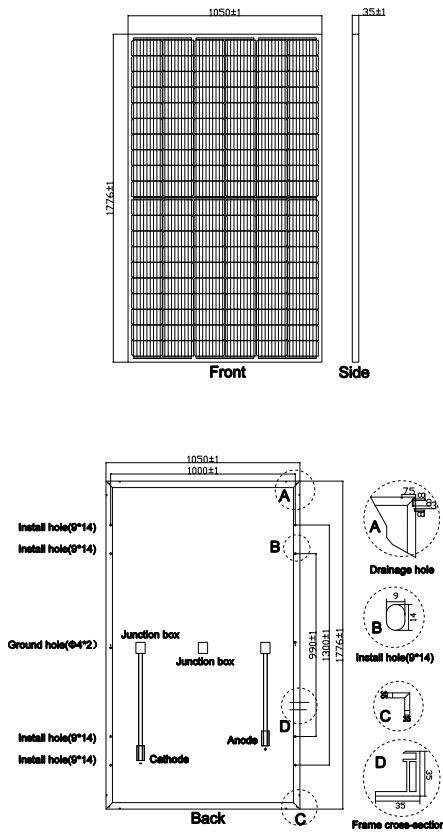
AUSTA ENERGY, established in 2009, is a high-tech enterprise specializing in R&D, production and sales of photovoltaic products, such as solar modules, silicon rods, cells, etc., as well as the investment and operation of solar power plant. The capacity of solar modules can reach 1 GW a year.

Located in Ningbo, AUSTA has a sound market network over Europe, America, Asia, Oceania and Africa. The subordinate branches and representative offices are located in more than 10 countries including Germany, Denmark, Bangladesh, Burma, India, etc.

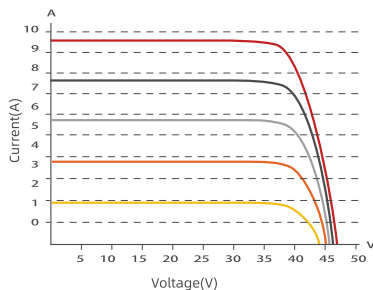
AUSTA contributes to a cleaner and greener environment by helping people use alternative energy, which hopefully can lead to a brighter and more prosperous future for human being.

## PV DRAWINGS

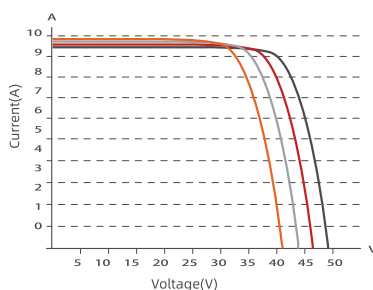
Unit:mm



## IV CURVE



■ 1000 W/m<sup>2</sup> ■ 800 W/m<sup>2</sup> ■ 600 W/m<sup>2</sup>  
■ 400 W/m<sup>2</sup> ■ 200 W/m<sup>2</sup>



■ 5°C ■ 25°C ■ 45°C ■ 65°C

## ELECTRICAL DATA (STC)

Model Type	AU350-30-MHB	AU360-30-MHB	AU370-30-MHB	AU380-30-MHB	AU390-30-MHB
Peak Power(Pmax)	350.00	360.00	370.00	380.00	390.00
Maximum Power Voltage(Vmp)	33.30	33.70	34.10	34.50	34.90
Maximum Power Current(Imp)	10.52	10.69	10.86	11.02	11.18
Open Circuit Voltage(Voc)	40.50	40.90	41.30	41.85	42.33
Short Circuit Current(Isc)	11.02	11.20	11.37	11.64	11.81
Cells Efficiency( % )	21.28	21.89	22.50	23.11	23.71
Module Efficiency( % )	18.76	19.30	19.84	20.37	20.91

\* STC: irradiance 1000 W/m<sup>2</sup>, AM 1.5, and cell temperature of 25°C

## ELECTRICAL DATA (NOCT)

Model Type	AU350-30-MHB	AU360-30-MHB	AU370-30-MHB	AU380-30-MHB	AU390-30-MHB
Peak Power(Pmax)	259.30	266.70	274.10	282.00	290.00
Maximum Power Voltage(Vmp)	30.80	31.10	31.50	31.87	32.23
Maximum Power Current(Imp)	8.44	8.57	8.71	8.85	9.00
Open Circuit Voltage(Voc)	37.80	38.20	38.50	39.01	39.45
Short Circuit Current(Isc)	8.89	9.03	9.17	9.39	9.55

\* NOCT: irradiance 800 W/m<sup>2</sup>, AM 1.5, ambient temperature 20°C, wind speed 1 m/s

## TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500
Maximum Series Fuse Rating (A)	20
Power Tolerance	0~+3 %
Pmax Temperature Coefficients (W/°C)	-0.370 %
Voc Temperature Coefficients (V/°C)	-0.286 %
Isc Temperature Coefficients (A/°C)	+0.057 %
NOCT Nominal Operating Cell Remperature (°C)	45±2
Operating and Storage Temperature (°C)	-40~+85

## MECHANICAL CHARACTERISRTICS

Cell Type	166x83 Black Mono
No. of Cells	120 (12x10)
Dimensions	1776x1050x35mm
Weight	20.00kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP68 3 diodes
Output cables	4mm <sup>2</sup> cable 90cm+mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

## PACKING WAY

20FT container	6 Packages/180pcs
40HQ containe	26 Packages/780pcs

**Austa**



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