

## ADM400-108MH-B

### Black frame & Transparent Back

0~+5W

Power Tolerance

P - Type

High-efficiency Cells

395-405W

Power Output Range

MODULE SIZE: 1722×1134×35mm

### CERTIFICATES

UL 61730 | IEC 61215 | IEC 61730 | CE Listed | MCS  
ISO 9001 Quality Management System  
ISO 14001 Environmental Management System  
ISO 45001 Occupational Health and Safety Management System



Monocrystalline technology



Large wafer design



Half cut cell



10 Busbar cell

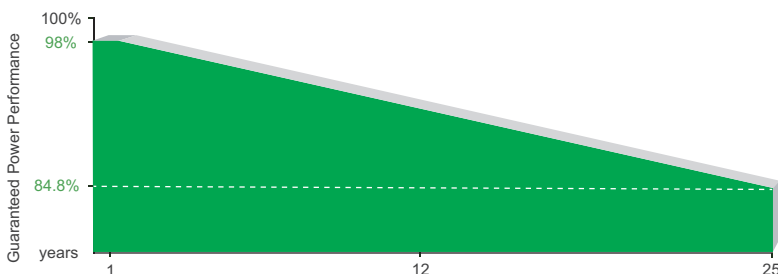


Generate more power



Robust product component

### LINEAR PERFORMANCE WARRANTY

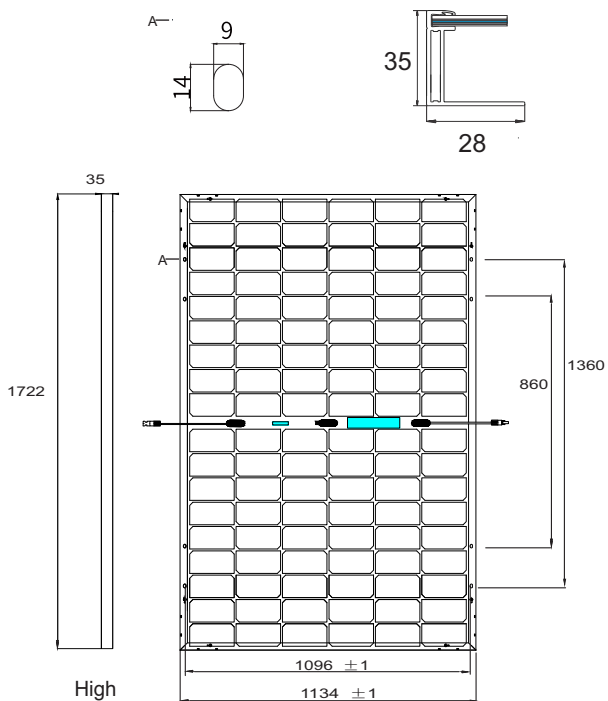


12 Year Product Warranty

25 Year Linear Power Warranty

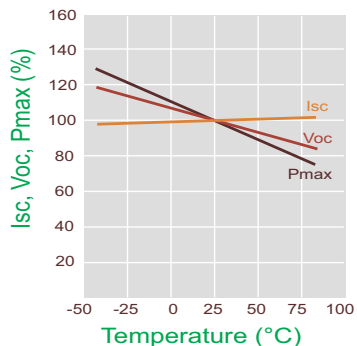
0.55% Annual Degradation Over 30 years

## PV Module: Mechanical Drawing (mm)



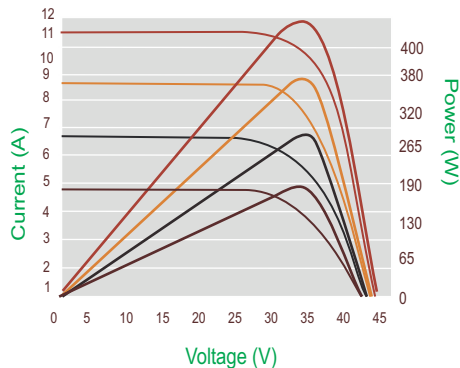
## PV Module: IV Curve

Irradiance: AM 1.5, 1,000W/m<sup>2</sup>(400W)



## PV Module: IV Curve

I-V Curves at Different Irradiances (400W)  
Test Temperature: 25°C



AD GREEN ENERGY | www.adgreen.vn | May 10th 2022  
Disclaimer: The information included in this PV module datasheet is subject to change without any notice and is provided for informational purposes only. No contractual rights are established or should be inferred because of the user's reliance on the information contained in this PV module datasheet. Please contact AD GREEN's local offices for updated product information. Thank you.

## ELECTRICAL CHARACTERISTICS | STC

|  | 395W   | 400W   | 405W   |
|--|--------|--------|--------|
| Maximum Power (P <sub>max</sub> )        | 395W   | 400W   | 405W   |
| Maximum Power Current (I <sub>mp</sub> ) | 12.50A | 12.64A | 12.78A |
| Maximum Power Voltage (V <sub>mp</sub> ) | 31.60V | 31.64V | 31.68V |
| Short Circuit Current (I <sub>sc</sub> ) | 13.13A | 13.27A | 13.42A |
| Open Circuit Voltage (V <sub>oc</sub> )  | 38.55V | 38.60V | 38.65V |
| Module Efficiency                        | 20.23% | 20.48% | 20.74% |
| Power Tolerance                          | 0~+5W  | 0~+5W  | 0~+5W  |

STC: AM1.5 Irradiance 1000W/m<sup>2</sup>, 25° C

## ELECTRICAL CHARACTERISTICS | NOCT

|  | 395W   | 400W   | 405W   |
|--|--------|--------|--------|
| Maximum Power (P <sub>max</sub> )        | 295W   | 299W   | 303W   |
| Maximum Power Current (I <sub>mp</sub> ) | 10.40A | 10.47A | 10.55A |
| Maximum Power Voltage (V <sub>mp</sub> ) | 28.36V | 28.56V | 28.72V |
| Short Circuit Current (I <sub>sc</sub> ) | 11.07A | 11.13A | 11.19A |
| Open Circuit Voltage (V <sub>oc</sub> )  | 34.83V | 34.90V | 34.98V |

NOCT: AM 1.5 Irradiance 800W/m<sup>2</sup>, 20° C, Wind speed 1m/s

## MECHANICAL CHARACTERISTICS

|                     |   |
|---------------------|---|
| Solar Cell          | Monocrystalline   PERC PV Cells<br>182mm Cell   Half-cut   10 Busbar   108 (6x18) pcs in series |
| Solar Modules       | 1722x1134x35mm.   Weight: 21kg  |
| Module Glass        | 3.2 mm<br>High transparency, low iron, AR-coated tempered glass                                 |
| Module Frame        | Frame 35 mm   |
| Module Junction Box | IP68 rated   3 bypass diodes  |
| Module Output Cable | 4mm <sup>2</sup> (EU)   12 AWG (US) 400mm;  |
| Module Connector    | Multi contact (MC4) compatible connectors   |
| Module Encapsulant  | POE   |

## PACKING INFORMATION

|                               |                  |
|-------------------------------|------------------|
| Pieces per pallet:            | 31               |
| Pallets per container (40HQ): | 26               |
| Pieces per container (40HQ):  | 806              |
| Pallet Weight:                | 686KG.           |
| Pallet Dimension:             | 1747x1135x1250mm |

## MAXIMUM RATING

|                            |               |
|----------------------------|---------------|
| Operating Temperature      | -40°C ~85°C   |
| Maximum Series Fuse Rating | 30A           |
| Maximum System Voltage     | 1000/1500V DC |

## THERMAL CHARACTERISTICS

|  |           |
|--|-----------|
| P <sub>max</sub> Temperature Coefficient | -0.35%/°C |
| V <sub>oc</sub> Temperature Coefficient  | -0.28%/°C |
| I <sub>sc</sub> Temperature Coefficient  | +0.48%/°C |
| NOCT                                     | 45±2°C    |

## BIFACIAL OUTPUT-BACKSIDE POWER GAIN

|     |                       |       |       |       |
|-----|-----------------------|-------|-------|-------|
| 10% | P <sub>max</sub> (W)  | 435   | 440   | 445   |
|     | Module efficiency (%) | 22.28 | 22.53 | 22.79 |
| 20% | P <sub>max</sub> (W)  | 474   | 480   | 486   |
|     | Module efficiency (%) | 24.27 | 24.58 | 24.89 |