

# 710~740 Watt

# HORAY

**TIER1**  
BloombergNEF

## HS 210-132 HJ-D Galaxy HJT Bifacial Modules



### HJT Technology

Hydrogenated amorphous silicon thin films and  $\mu\text{-Si}$  technology to ensure higher cell efficiency.



### Higher Output Power

The output power is as high as 740W, and bifaciality is up to 85% , provide more power from rear side.



### Better Weather Adaptability

Excellent low light performance, lower temperature coefficients and power loss under high temperature.



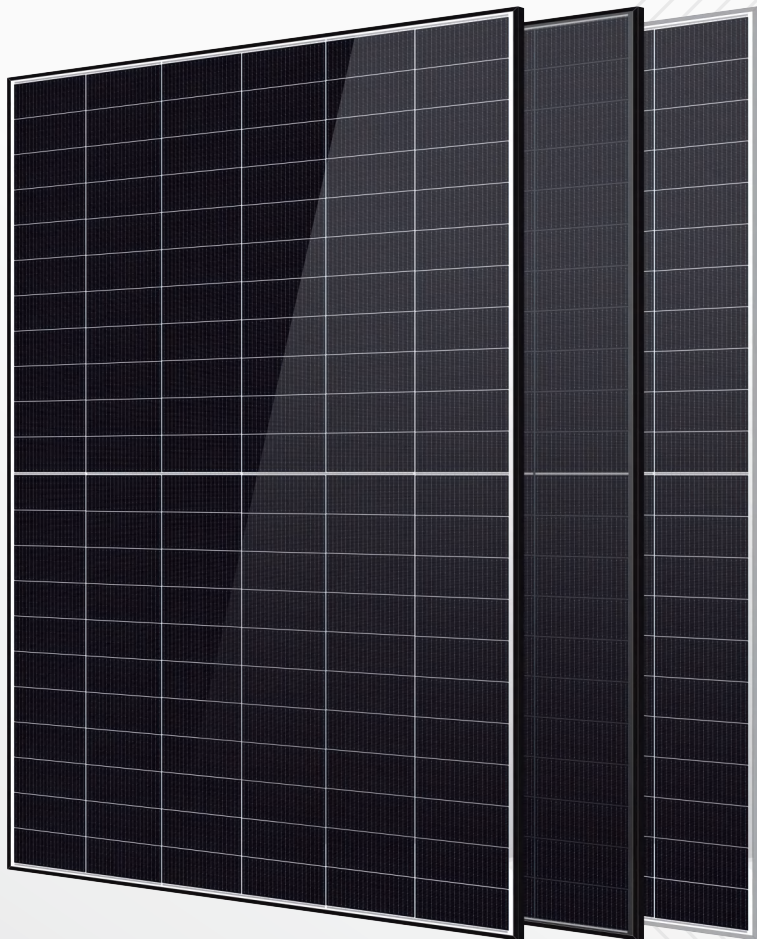
### Lower Power Attenuation

Anti-PID and negligible LID/LeTID, which reduces power loss.



### Ideal Choice For Utility Project

Lower BOS cost, lower LCOE, and improved ROI.



IEC 61215:2021

IEC 61730:2023

ISO 9001:2015 Quality Management System

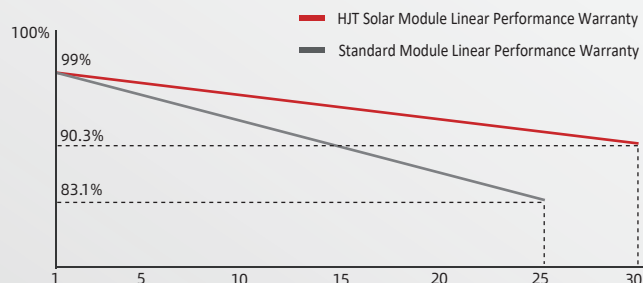
ISO 14001:2015 Environmental Management System

ISO 45001:2018 Occupational Health and Safety Management System

CE Marking: European Conformity

CQC: China Quality Certification Centre

Solar Product Certification



15

15-year product warranty

30

30-year linear power output warranty

HEADQUARTER: HORAY SOLAR CO., LTD.

GLOBAL MARKETING AND SERVICE: HORAY SOLAR GMBH

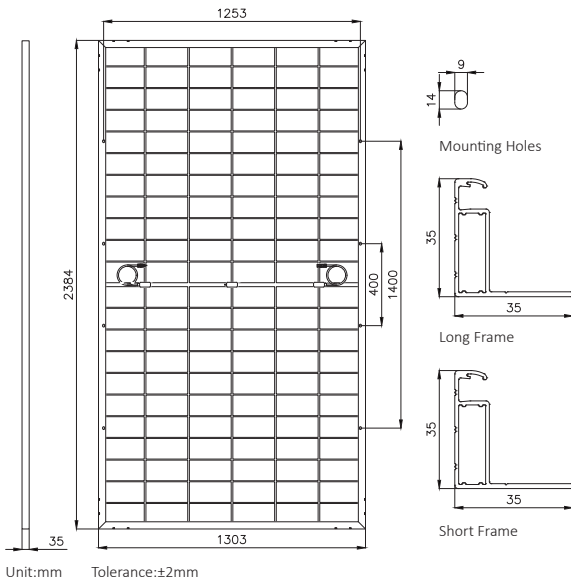
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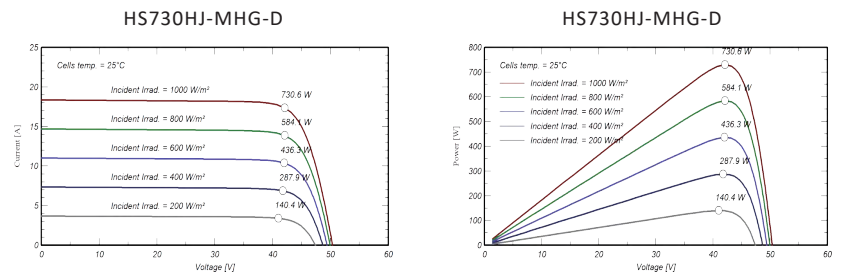
## MECHANICAL DIAGRAMS



## MECHANICAL PARAMETERS

|                  |                                                      |
|------------------|------------------------------------------------------|
| Weight           | 38.5kg                                               |
| Dimension        | 2384×1303×35mm                                       |
| Cell Orientation | 132(6×22)                                            |
| Junction Box     | IP68, three diodes                                   |
| Output Cable     | 4mm <sup>2</sup> , ±300mm (length can be customized) |
| Connector        | MC4 compatible                                       |
| Glass            | 2.0+2.0mm AR coated heat strengthened glass          |
| Frame            | Anodized aluminum alloy frame                        |
| Packaging        | 31pcs per pallet/558pcs per 40'HC                    |

## CURVES OF PV MODULE



## ELECTRICAL CHARACTERISTICS AT STC

| Module Type                               | HS710HJ-MHG-D | HS715HJ-MHG-D | HS720HJ-MHG-D | HS725HJ-MHG-D | HS730HJ-MHG-D | HS735HJ-MHG-D | HS740HJ-MHG-D |
|-------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Testing Condition                         | STC           | STC           | STC           | STC           | STC           | STC           | STC           |
| Maximum Power(P <sub>max</sub> /W)        | 710           | 715           | 720           | 725           | 730           | 735           | 740           |
| Open Circuit Voltage(V <sub>oc</sub> /V)  | 49.58         | 49.68         | 49.76         | 49.85         | 49.93         | 50.03         | 50.11         |
| Short Circuit Current(I <sub>sc</sub> /A) | 18.06         | 18.16         | 18.25         | 18.35         | 18.44         | 18.53         | 18.63         |
| Maximum Power Voltage(V <sub>mp</sub> /V) | 42.45         | 42.53         | 42.60         | 42.68         | 42.75         | 42.83         | 42.90         |
| Maximum Power Current(I <sub>mp</sub> /A) | 16.73         | 16.81         | 16.90         | 16.99         | 17.08         | 17.16         | 17.25         |
| Module Efficiency(%)                      | 22.9          | 23.0          | 23.2          | 23.3          | 23.5          | 23.7          | 23.8          |

\* Standard Test Conditions (STC): Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell temperature 25°C. Power measurement tolerance: ±3%.

## ELECTRICAL CHARACTERISTICS AT BNPI

| Module Type                               | HS710HJ-MHG-D | HS715HJ-MHG-D | HS720HJ-MHG-D | HS725HJ-MHG-D | HS730HJ-MHG-D | HS735HJ-MHG-D | HS740HJ-MHG-D |
|-------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Testing Condition                         | BNPI          | BNPI          | BNPI          | BNPI          | BNPI          | BNPI          | BNPI          |
| Maximum Power(P <sub>max</sub> /W)        | 791           | 797           | 802           | 808           | 814           | 820           | 826           |
| Open Circuit Voltage(V <sub>oc</sub> /V)  | 49.71         | 49.80         | 49.88         | 49.97         | 50.06         | 50.15         | 50.23         |
| Short Circuit Current(I <sub>sc</sub> /A) | 20.20         | 20.30         | 20.41         | 20.51         | 20.62         | 20.72         | 20.83         |
| Maximum Power Voltage(V <sub>mp</sub> /V) | 42.56         | 42.64         | 42.71         | 42.79         | 42.86         | 42.94         | 43.01         |
| Maximum Power Current(I <sub>mp</sub> /A) | 18.59         | 18.69         | 18.78         | 18.88         | 18.99         | 19.10         | 19.21         |

\* Bifacial Nameplate Irradiance(BNPI): Irradiance front 1000W/m<sup>2</sup>, rear 135W/m<sup>2</sup>. Power measurement tolerance: ±3%.

## OPERATING PARAMETERS

|                                                            |              |
|------------------------------------------------------------|--------------|
| Operating Temperature Range                                | -40°C~+85°C  |
| Power Output Tolerance                                     | 0~3%         |
| Maximum System Voltage                                     | 1500V DC     |
| Maximum Series Fuse Rating                                 | 35A          |
| Nominal Module Operating Temperature [T <sub>98</sub> ]max | 44±2°C ≤70°C |
| Protection Class                                           | Class II     |
| Bifaciality coefficient of P <sub>max</sub>                | 85±5%        |
| Fire Rating                                                | IEC Class A  |

## MECHANICAL LOADING

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Front Side Maximum Static Loading | 5400Pa                               |
| Rear Side Maximum Static Loading  | 2400Pa                               |
| Hailstone Test                    | 25mm Hailstone at the speed of 23m/s |

## TEMPERATURE RATINGS (STC)

|                                             |           |
|---------------------------------------------|-----------|
| Temperature Coefficient of I <sub>sc</sub>  | +0.04%/°C |
| Temperature Coefficient of V <sub>oc</sub>  | -0.22%/°C |
| Temperature Coefficient of P <sub>max</sub> | -0.24%/°C |



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