

# 730~750 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 750W, 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.



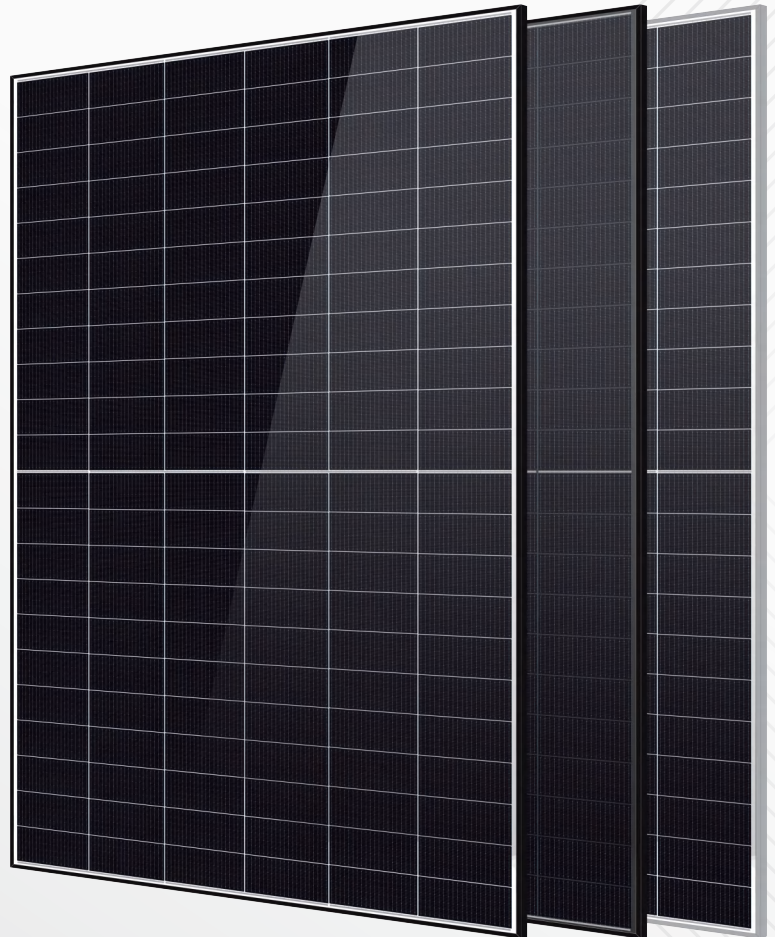
### Lower Power Attenuation

Anti PID and negligible LID/LeTID attenuation, witch can reduce power loss.



### Ideal Choice For Utility Project

Lower BOS cost, lower LCOE, and improved ROI.



IEC61215:2021

IEC61730:2023

ISO9001:2015 Quality Management System

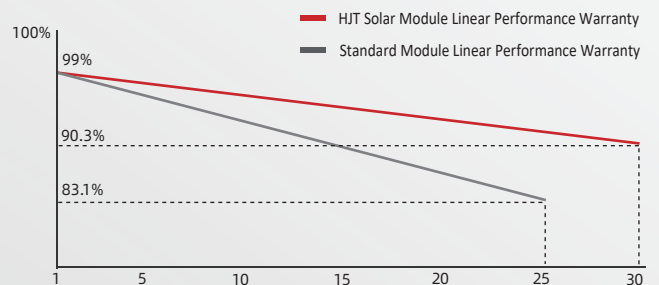
ISO14001:2015 Environmental Management System

ISO45001:2018 Occupational Health and Safety Management System

CE: Europe Standard

China Quality Certification Centre

Solar Product Certification



15-year product warranty



30-year linear power output warranty

HEADQUARTER: HORAY SOLAR CO., LTD.

GLOBAL MARKETING AND SERVICE: HORAY SOLAR GMBH

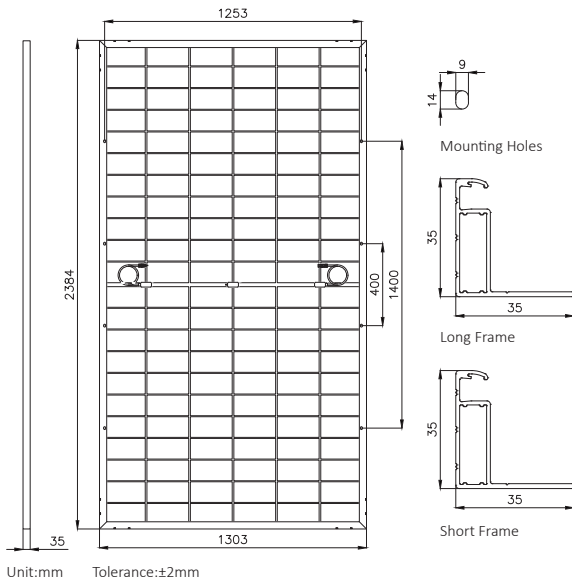
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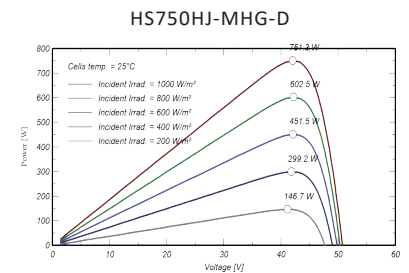
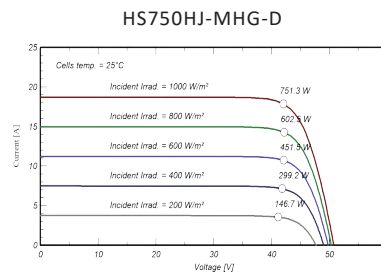
## MECHANICAL DIAGRAMS



## 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

Module Type	HS730HJ-MHG-D		HS735HJ-MHG-D		HS740HJ-MHG-D		HS745HJ-MHG-D		HS750HJ-MHG-D	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax/W)	730	557	735	561	740	565	745	568	750	572
Open Circuit Voltage(Voc/V)	50.36	48.07	50.46	48.16	50.56	48.26	50.66	48.35	50.76	48.45
Short Circuit Current(Isc/A)	18.34	14.66	18.43	14.73	18.52	14.80	18.61	14.87	18.70	14.94
Maximum Power Voltage(Vmp/V)	42.32	40.41	42.41	40.50	42.50	40.58	42.59	40.67	42.68	40.76
Maximum Power Current(Imp/A)	17.26	13.79	17.34	13.86	17.42	13.92	17.50	13.99	17.58	14.95
Module Efficiency(%)	23.5		23.7		23.8		24.0		24.1	

\* Under Standard Test Conditions (STC), irradiance 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

\* Under Nominal Module Operating Temperature (NMOT), irradiance 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C and wind speed 1 m/s.

## ELECTRICAL CHARACTERISTICS AT BNPI

Maximum Power(Pmax/W)	818	824	829	835	841
Open Circuit Voltage(Voc/V)	50.53	50.64	50.74	50.84	50.94
Short Circuit Current(Isc/A)	20.57	20.67	20.77	20.87	20.97
Maximum Power Voltage(Vmp/V)	42.47	42.56	42.65	42.74	42.83
Maximum Power Current(Imp/A)	19.28	19.37	19.46	19.55	19.64

\* Under Bifacial Nameplate Irradiance (BNPI), front Side irradiation 1000 W/m<sup>2</sup>, rear side reflection irradiation 135 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C. Rear side power gain depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

## OPERATING PARAMETERS

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1500V
Maximum Series Fuse Rating	35A
Nominal Operating Cell Temperature	44±2°C
Protection Class	Class II
Bifaciality	85±5%
Fire Rating	IEC Class A

\*The actual test value may be slightly deviated from the technical parameters due to the difference in test methods.

## 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 Isc	+0.04%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Pmax	-0.24%/°C

