

700~730 Watt

HORAY



HS **210-132** TC-D *Galaxy* N-type Bifacial Modules



SMBB Half-Cell Technology

More uniform current distribution, reducing heat loss in internal cells.



Higher Output Power

The output power of 132 half-cell monocrystalline modules is up to 730W.



Low Light Features

Higher performance under low light environment.



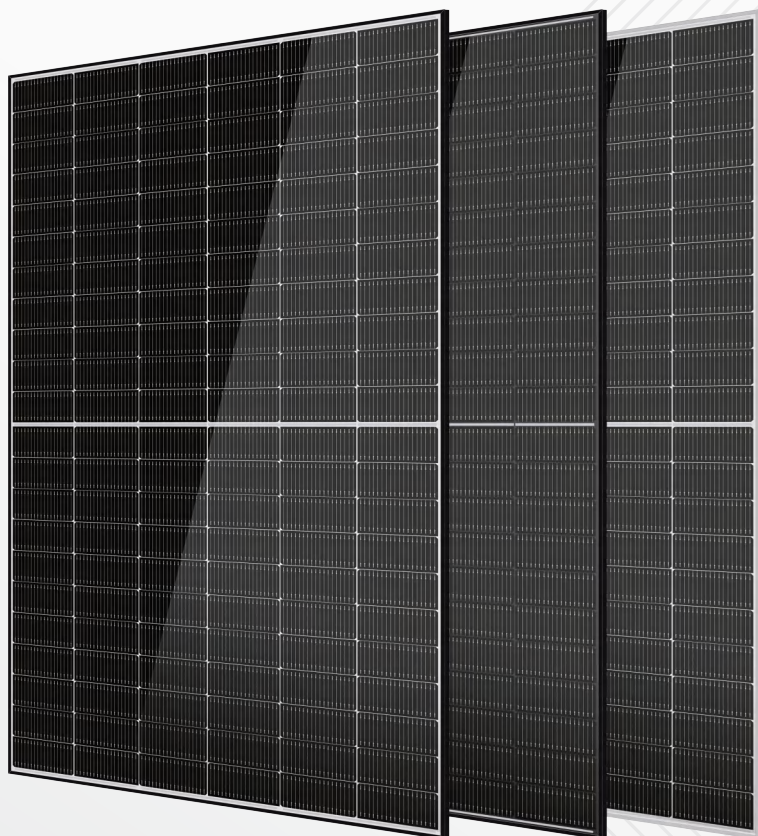
Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion tests by a third party.



Lower Power Attenuation

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



IEC 61215:2021

IEC 61730:2023

ISO 9001:2015 Quality Management System

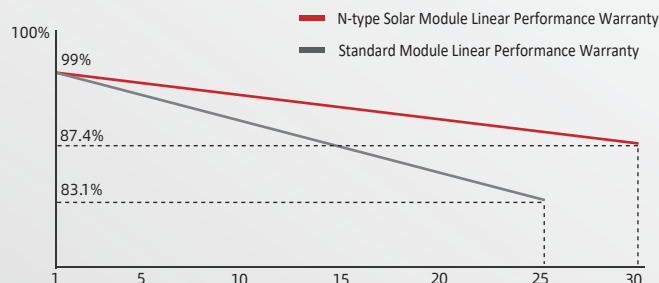
ISO 14001:2015 Environmental Management System

ISO 45001:2018 Occupational Health and Safety Management System

CE Marking: European Conformity

CQC: China Quality Certification Centre

Solar Product Certification



15-year product warranty



30-year linear power output warranty

HEADQUARTER: HORAY SOLAR CO., LTD.

GLOBAL MARKETING AND SERVICE: HORAY SOLAR GMBH

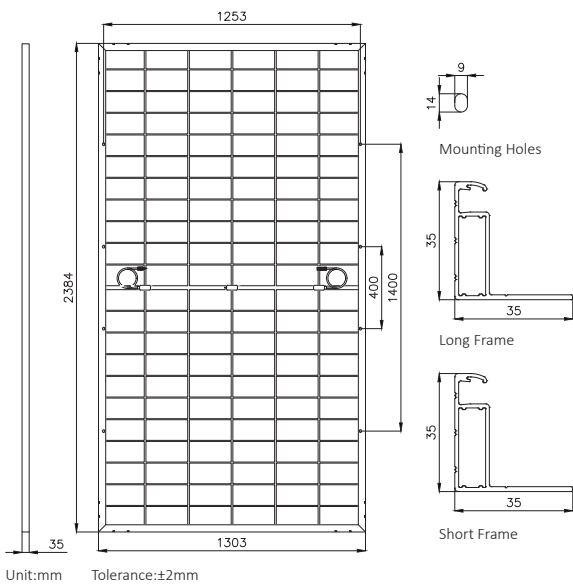
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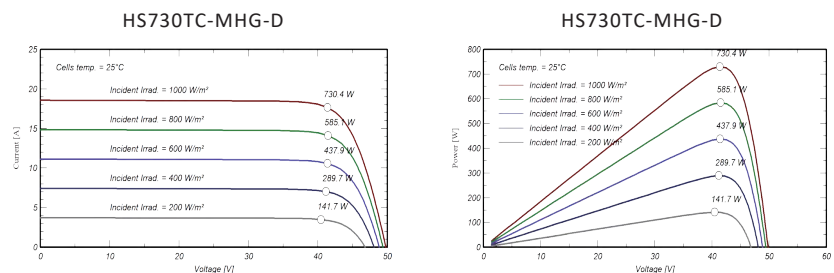
MECHANICAL DIAGRAMS



MECHANICAL PARAMETERS

Weight	38.5kg
Dimension	2384×1303×35mm
Cell Orientation	132(6×22)
Junction Box	IP68, three diodes
Output Cable	4mm ² , ±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	HS700TC-MHG-D	HS705TC-MHG-D	HS710TC-MHG-D	HS715TC-MHG-D	HS720TC-MHG-D	HS725TC-MHG-D	HS730TC-MHG-D
Testing Condition	STC	STC	STC	STC	STC	STC	STC
Maximum Power(P _{max} /W)	700	705	710	715	720	725	730
Open Circuit Voltage(V _{oc} /V)	48.75	48.80	49.00	49.20	49.40	49.60	49.80
Short Circuit Current(I _{sc} /A)	18.27	18.36	18.40	18.44	18.49	18.52	18.56
Maximum Power Voltage(V _{mp} /V)	40.61	40.70	40.90	41.10	41.30	41.50	41.70
Maximum Power Current(I _{mp} /A)	17.24	17.32	17.36	17.40	17.44	17.47	17.51
Module Efficiency(%)	22.5	22.7	22.9	23.0	23.2	23.3	23.5

* Standard Test Conditions (STC): Irradiance 1000W/m², AM 1.5, Cell temperature 25°C. Power measurement tolerance: ±3%.

ELECTRICAL CHARACTERISTICS AT BNPI

Module Type	HS700TC-MHG-D	HS705TC-MHG-D	HS710TC-MHG-D	HS715TC-MHG-D	HS720TC-MHG-D	HS725TC-MHG-D	HS730TC-MHG-D
Testing Condition	BNPI	BNPI	BNPI	BNPI	BNPI	BNPI	BNPI
Maximum Power(P _{max} /W)	770	776	781	786	791	796	801
Open Circuit Voltage(V _{oc} /V)	48.75	48.80	49.00	49.20	49.40	49.60	49.80
Short Circuit Current(I _{sc} /A)	20.09	20.21	20.24	20.27	20.30	20.33	20.36
Maximum Power Voltage(V _{mp} /V)	40.61	40.70	40.90	41.10	41.30	41.50	41.70
Maximum Power Current(I _{mp} /A)	18.96	19.07	19.10	19.12	19.15	19.18	19.21

* Bifacial Nameplate Irradiance(BNPI): Irradiance front 1000W/m², rear 135W/m². 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	30A
Nominal Module Operating Temperature [T ₉₈]max	45±2°C ≤70°C
Protection Class	Class II
Bifaciality coefficient of P _{max}	80±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 _{sc}	+0.04%/°C
Temperature Coefficient of V _{oc}	-0.23%/°C
Temperature Coefficient of P _{max}	-0.28%/°C



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