

Mono

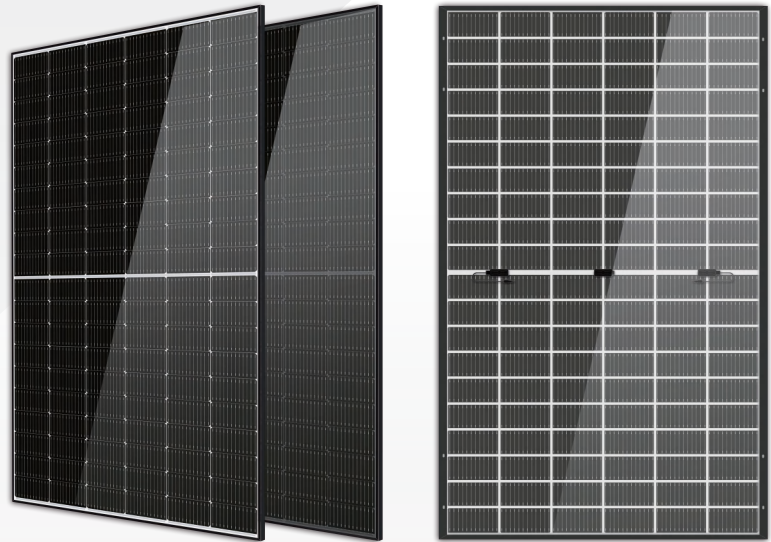
Bifacial

HORAY

Solar Galaxy

610–635 Watt N-Type MONO-BIFACIAL MODULE

- IEC61215: 2021
- IEC61730: 2016
- TUV Rheinland Standard
- Lloyd'S Ariel Re
- Solar Performance Insurance
- ISO9001: 2015
- Quality Management System
- ISO14001:
- Environmental Management System
- CE: Europe Standard
- Inmetro Certificate
- Japan JP-AC



KEY FEATURES



SMBB Cell

More uniform current collection capability, reducing the current heat loss of the internal cells.



Low Light Features

Higher performance under low light environment.



Higher Output Power

The output power of 120 half-cells Monocrystalline modules is up to 635W.



LID Free

N-type solar cell has no LID naturally which can increase power generation.



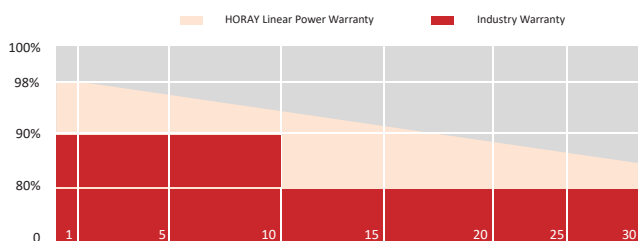
Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by the third party.



Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa.



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SPECIFICATIONS

Weight	31kg
Dimension	2174mm*1303mm*35mm
Cell Dimension	210*105mm
Cell Amount	60*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Type of the front glass	2.0mm Coated ultra clear glass
Type of the back glass	2.0mm Heat-strengthened glass
Frame	Aluminum Alloy
Cable	4mm ² ,+300,-300mm/±1300mm Length can be customized
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	HS610TC-MHG-D	HS615TC-MHG-D	H620TC-MHG-D	HS625TC-MHG-D	HS630TC-MHG-D	HS635TC-MHG-D
Power	610W	615W	620W	625W	630W	635W
Open Circuit Voltage	43.86V	43.98V	44.10V	44.22V	44.40V	44.94V
Short Circuit Current	17.46A	17.52A	17.60A	17.66A	17.69A	17.72A
Maximum Power Voltage	37.74V	37.92V	38.04V	38.22V	38.46V	38.70V
Maximum Power Current	16.16A	16.22A	16.30A	16.35A	16.38A	16.41A
Module Efficiency	21.53%	21.71%	21.89%	22.06%	22.24%	22.42%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/ m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL PARAMETERS AT BNPI

Power	671W	677W	682W	688W	693W	699W
Open Circuit Voltage	43.86V	43.98V	44.10V	44.22V	44.40V	44.94V
Short Circuit Current	19.20A	19.27A	19.36A	19.43A	19.46A	19.49A
Maximum Power Voltage	37.74V	37.92V	38.04V	38.22V	38.46V	38.70V
Maximum Power Current	17.78A	17.84A	17.93A	17.99A	18.02A	18.05A

*Rear side power gain: The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure,height,tilt angle etc.)and albedo of the ground.

ELECTRICAL PARAMETERS AT NMOT

Power	465W	469W	472W	476W	480W	484W
Open Circuit Voltage	41.45V	41.56V	41.67V	41.79V	41.96V	42.47V
Short Circuit Current	13.98A	14.03A	14.10A	14.14A	14.17A	14.19A
Maximum Power Voltage	35.25V	35.42V	35.53V	35.70V	35.92V	36.15V
Maximum Power Current	13.19A	13.23A	13.30A	13.34A	13.36A	13.39A

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/ m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

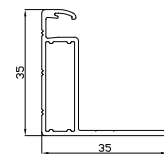
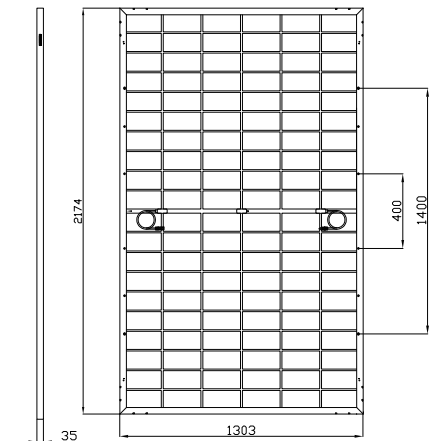
TEMPERATURE CHARACTERISTICS

NMOT	45±2°C
Temp Coefficient of ISC	+0.04%/°C
Temp Coefficient of VOC	-0.23%/°C
Temp Coefficient of Pmax	-0.28%/°C

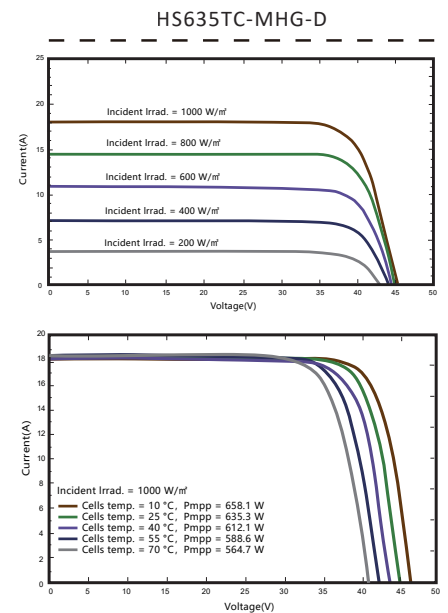
PACKING CONFIGURATION

Modules/Pallet	31 Pieces
Packaging Description	18 Pallets, Total=(31+31)x9=558 Pieces
Modules/40' Container	558 Pieces

MECHANICAL DIAGRAMS



IV CHARACTERISTICS



MAXIMUM RATING

Power selection	0~+5W
Measuring uncertainty of Pm	0~±3%
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	30A

15 YEARS

Quality Warranty

30 YEARS

Power Warranty

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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