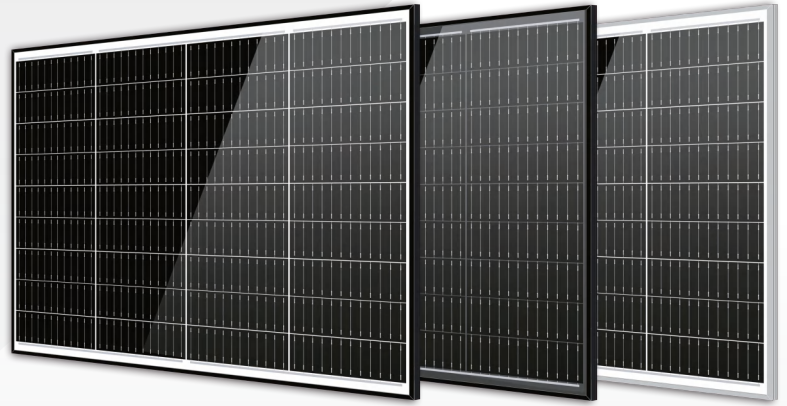


Solar Creek

110–120 Watt MONO-FACIAL 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
- ETL Certificate

KEY FEATURES



SBB/MBB

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 36 half-cells Monocrystalline modules is up to 120W.



PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



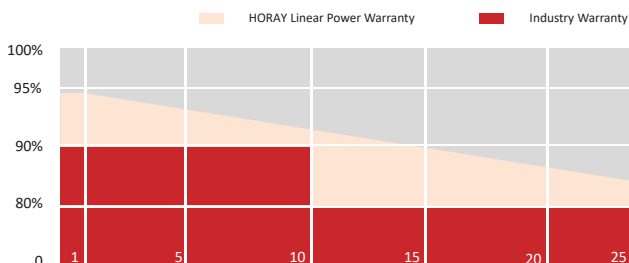
Harsh Environmental Adaptability

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

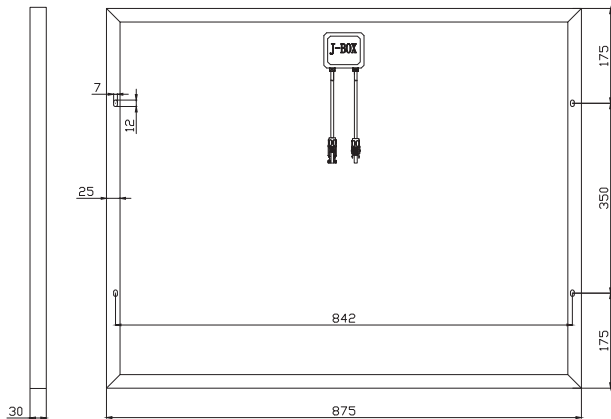


Load Capacity

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



MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	7.3kg
Dimension	700mm*875mm*30mm
Cell Dimension	210*70mm
Cell Amount	4*9 pcs
Maximum System Voltage	1500V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	Length can be customized
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	HS110-MHG	HS115-MHG	HS120-MHG
Power	110W	115W	120W
Open Circuit Voltage	25.80V	26.04V	26.16V
Short Circuit Current	5.41A	5.62A	5.83A
Maximum Power Voltage	21.60V	21.70V	21.80V
Maximum Power Current	5.10A	5.30A	5.50A
Module Efficiency	17.96%	18.78%	19.59%

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

ELECTRICAL PARAMETERS AT NMOT

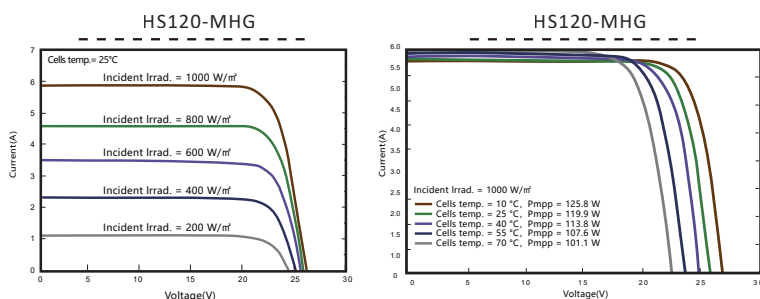
Power	83W	87W	91W
Open Circuit Voltage	24.41V	24.62V	24.82V
Short Circuit Current	4.32A	4.49A	4.66A
Maximum Power Voltage	20.34V	20.52V	20.68V
Maximum Power Current	4.08A	4.24A	4.40A
Module Efficiency	13.55%	14.20%	14.86%

* 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	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.34%/°C

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	15A

5 YEARS Quality Warranty

25 YEARS Power Warranty

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

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This type is a custom solar module. Please confirm with HORAY SOLAR before ordering.

Version number: MHO_EN_2024_A