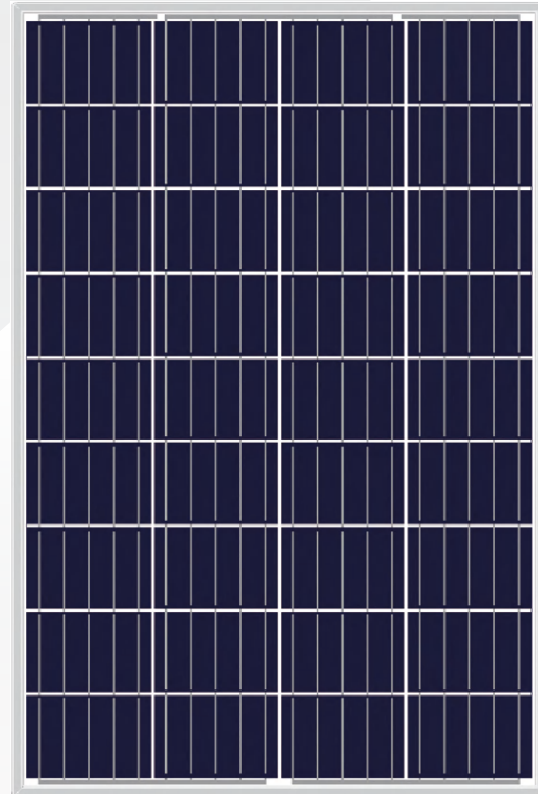


Solar Creek

100–110 Watt POLY-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



5BB
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 90W.



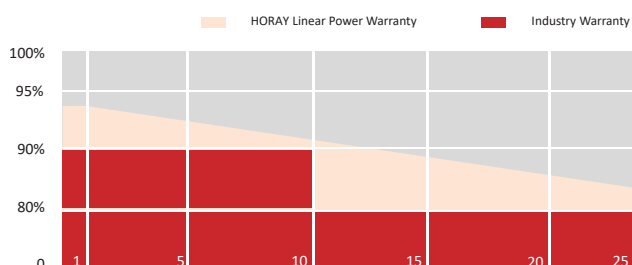
PID Protection
Ensure the attenuation probability caused by PID phenomenon
is minimized.



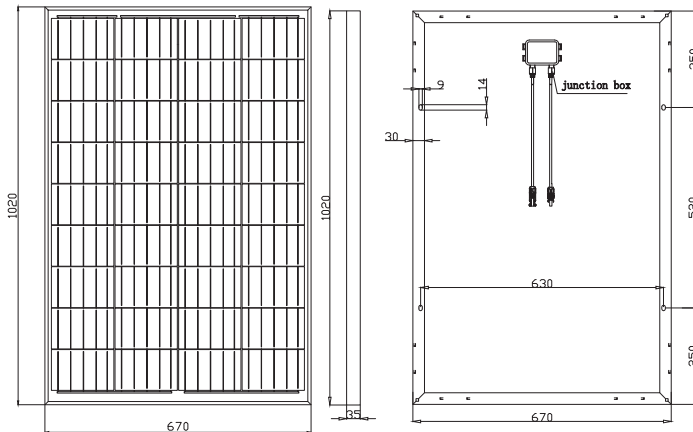
Harsh Environmental Adaptability
Strict salt spray and ammonia corrosion test by
the third party.



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



MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	8.0kg
Dimension	1020mm*670mm*35mm
Cell Dimension	157*104.5mm
Cell Amount	4*9 pcs
Maximum System Voltage	600V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	Length can be customized
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	HS100D-36	HS110D-36
Power	100W	110W
Open Circuit Voltage	18.1V	18.3V
Short Circuit Current	5.52A	6.01A
Maximum Power Voltage	22.1V	22.3V
Maximum Power Current	5.86A	6.31A
Module Efficiency	14.92%	16.41%

* 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

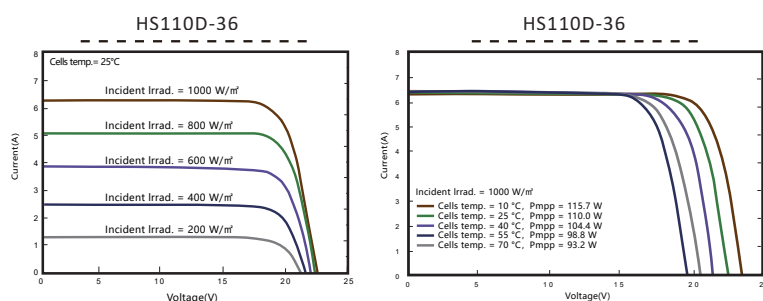
Power	76W	83W
Open Circuit Voltage	17.17V	17.26V
Short Circuit Current	4.42A	4.81A
Maximum Power Voltage	20.63V	20.72V
Maximum Power Current	4.69A	5.05A
Module Efficiency	11.34%	12.39%

* 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	10A



Quality
Warranty



Power
Warranty

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

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Version number: MHO_EN_2023_A