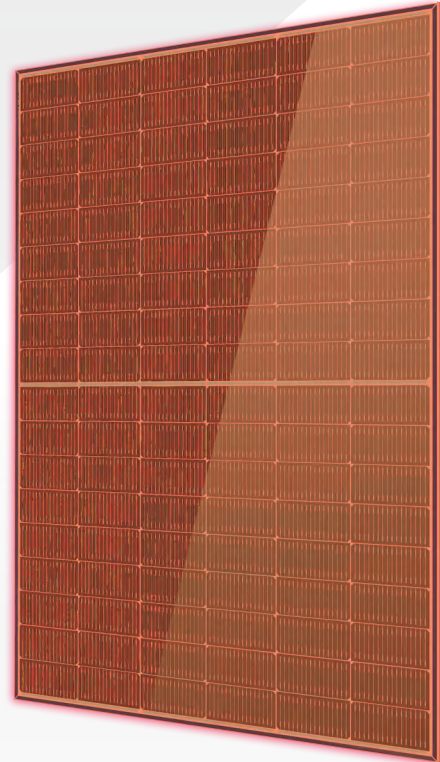


Solar Ocean

345–365 Watt TOPCon 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
- 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 108 half-cells Monocrystalline modules is up to 365W.



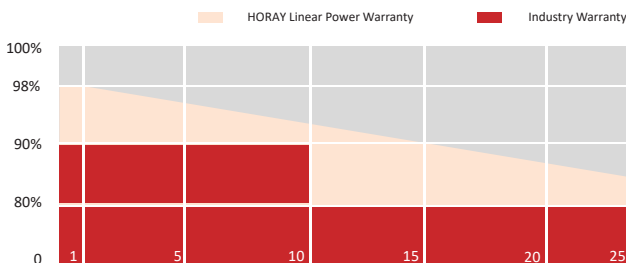
LID Free
N-type solar cell has no LID naturally which can increase power generation.



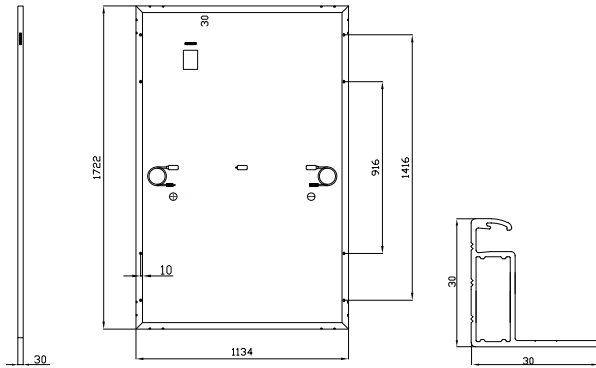
Harsh Environmental Adaptability
Strict salt spray and ammonia corrosion test by the third party.



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



MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	20.5kg
Dimension	1722mm*1134mm*30mm
Cell Dimension	182*91mm
Cell Amount	54*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , +300,-300mm/±1100mm Length can be customized
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	HS345TC-MHO	HS350TC-MHO	HS355TC-MHO	HS360TC-MHO	HS360TC-MHO
Power	345W	350W	355W	360W	365W
Open Circuit Voltage	38.22V	38.45V	38.68V	38.91V	39.15V
Short Circuit Current	11.31A	11.40A	11.49A	11.58A	11.67A
Maximum Power Voltage	32.96V	33.18V	33.37V	33.56V	33.77V
Maximum Power Current	10.47A	10.55A	10.64A	10.73A	10.81A
Module Efficiency	17.7%	17.9%	18.2%	18.4%	18.7%

* 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	293W	289W	285W	281W	277W
Open Circuit Voltage	38.8V	38.6V	38.4V	38.1V	37.9V
Short Circuit Current	9.34A	9.26A	9.19A	9.12A	9.05A
Maximum Power Voltage	32.9V	32.7V	32.5V	32.3V	32.1V
Maximum Power Current	8.92A	8.85A	8.79A	8.72A	8.65A
Module Efficiency	18.81%	18.55%	18.30%	18.04%	17.79%

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

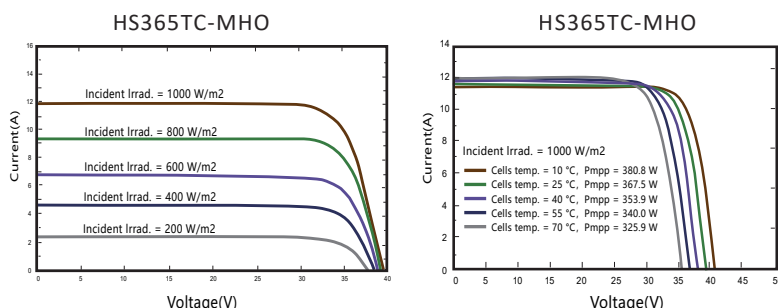
TEMPERATURE CHARACTERISTICS

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

PACKING CONFIGURATION

Modules/Pallet	36 Pieces	Modules/40' Container	936 Pieces
Packaging Description	26 Pallets, Total=(36+36)x13=936 Pieces		

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	25A

15 YEARS Quality Warranty

25 YEARS Power Warranty

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

©2023 Horay Solar Co., Ltd. All rights reserved. Specifications included in this datasheet are subject to change without notice.

Version number: MHO_EN_2023_A