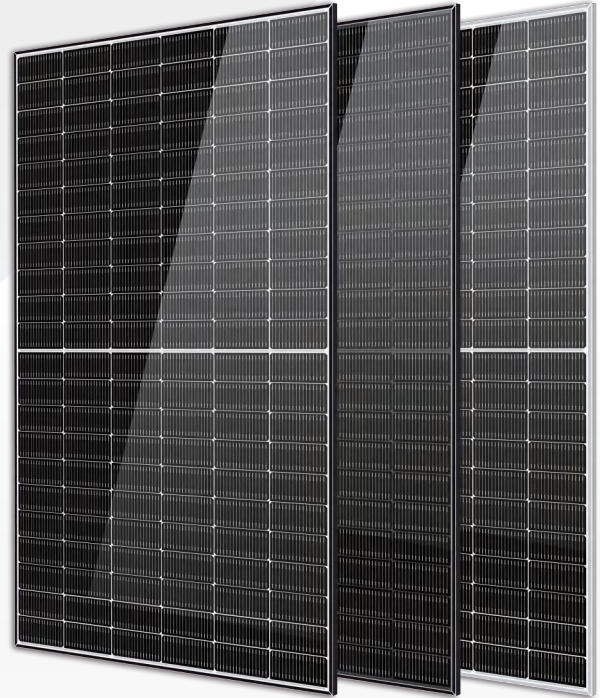


## Solar Ocean

### 515–535 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 132 half-cells Monocrystalline modules is up to 535W.



##### PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



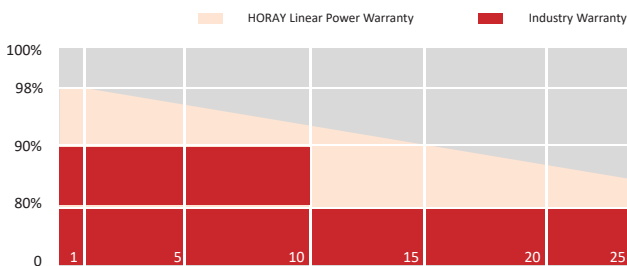
##### Harsh Environmental Adaptability

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

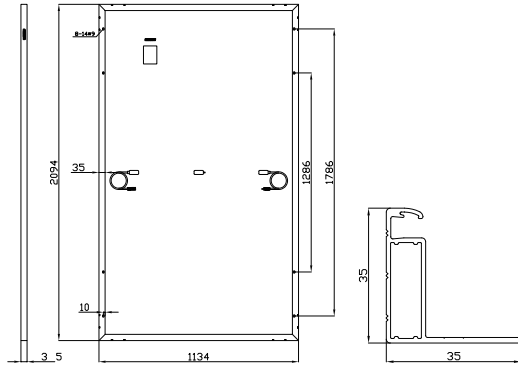


##### Load Capacity

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



## MECHANICAL DIAGRAMS



## SPECIFICATIONS

Weight	26kg
Dimension	2094mm*1134mm*35mm
Cell Dimension	182*91mm
Cell Amount	66*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm <sup>2</sup> , +300, -300mm/±1200mm Length can be customized
Connector	MC4 compatible
Application Level	Class A

## ELECTRICAL PARAMETERS AT STC

Module Type	HS515TC-MHO	HS520TC-MHO	HS525TC-MHO	HS530TC-MHO	HS535TC-MHO
Power	515W	520W	525W	530W	535W
Open Circuit Voltage	48.55V	48.95V	49.26V	49.57V	49.77V
Short Circuit Current	13.49A	13.52A	13.55A	13.60A	13.67A
Maximum Power Voltage	40.46V	40.79V	41.05V	41.31V	41.48V
Maximum Power Current	12.73A	12.75A	12.79A	12.83A	12.90A
Module Efficiency	21.69%	21.90%	22.11%	22.32%	22.53%

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

## ELECTRICAL PARAMETERS AT NMOT

Power	412W	416W	420W	424W	428W
Open Circuit Voltage	48.58V	48.93V	49.27V	49.60V	49.78V
Short Circuit Current	10.79A	10.81A	10.84A	10.88A	10.93A
Maximum Power Voltage	40.48V	40.78V	41.06V	41.33V	41.48V
Maximum Power Current	10.18A	10.20A	10.23A	10.26A	10.32A
Module Efficiency	17.35%	17.52%	17.69%	17.86%	18.02%

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

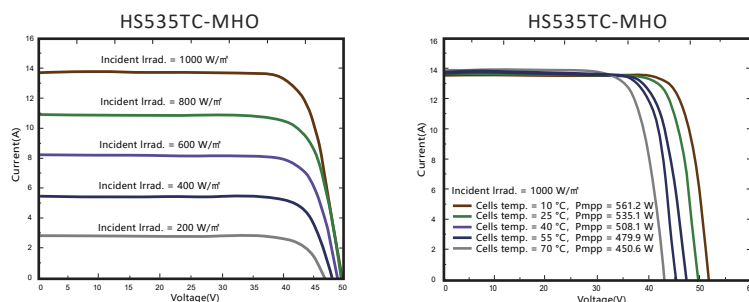
## TEMPERATURE CHARACTERISTICS

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	31 Pieces	Modules/40' Container	682 Pieces
Packaging Description	22 Pallets, Total=(31+31)x11=682 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.

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