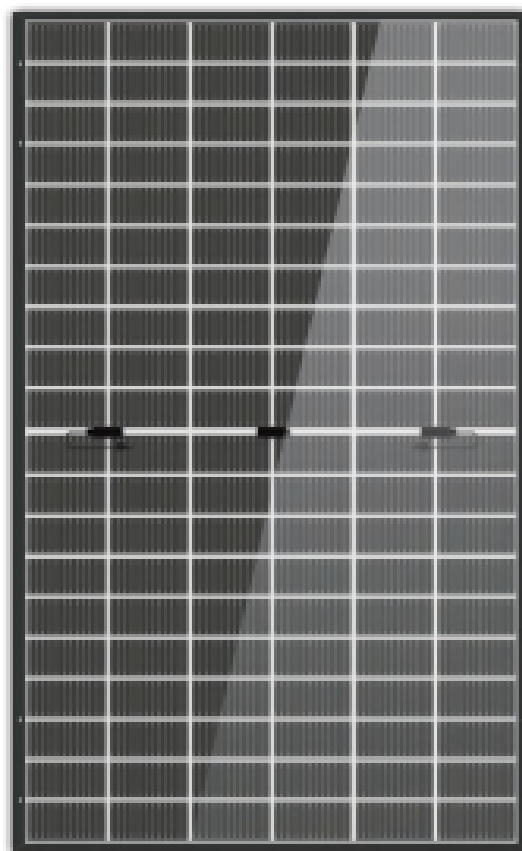
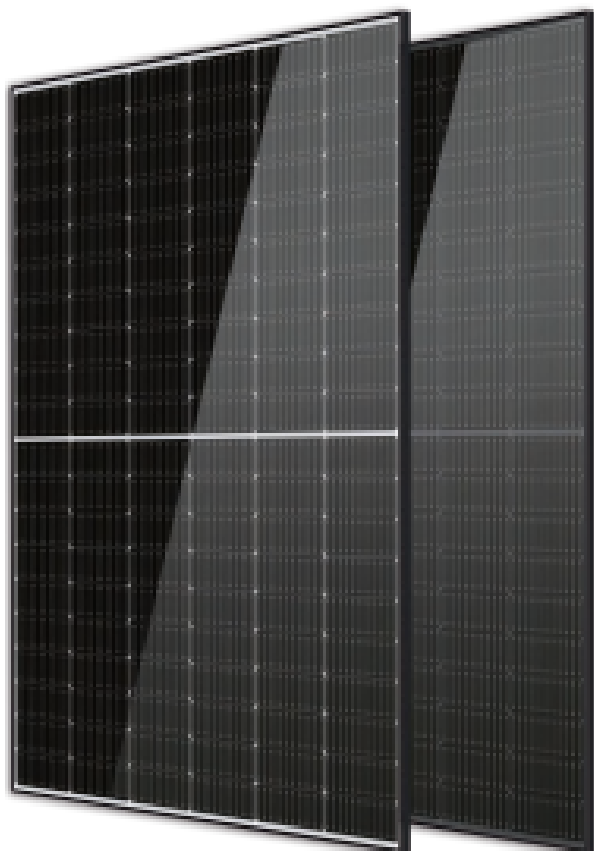


SUN POWER

485–500 Watt Mono-Bifacial Module

- IIEC61215: 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



Feature



MBB Cell

More uniform current collecon 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 100 half-cells Monocrystalline modules is up to 500W.



PID Protection

Ensure the atienuayion probability caused by PID phenomenon is minimized.



Harsh Environmental Adaptability

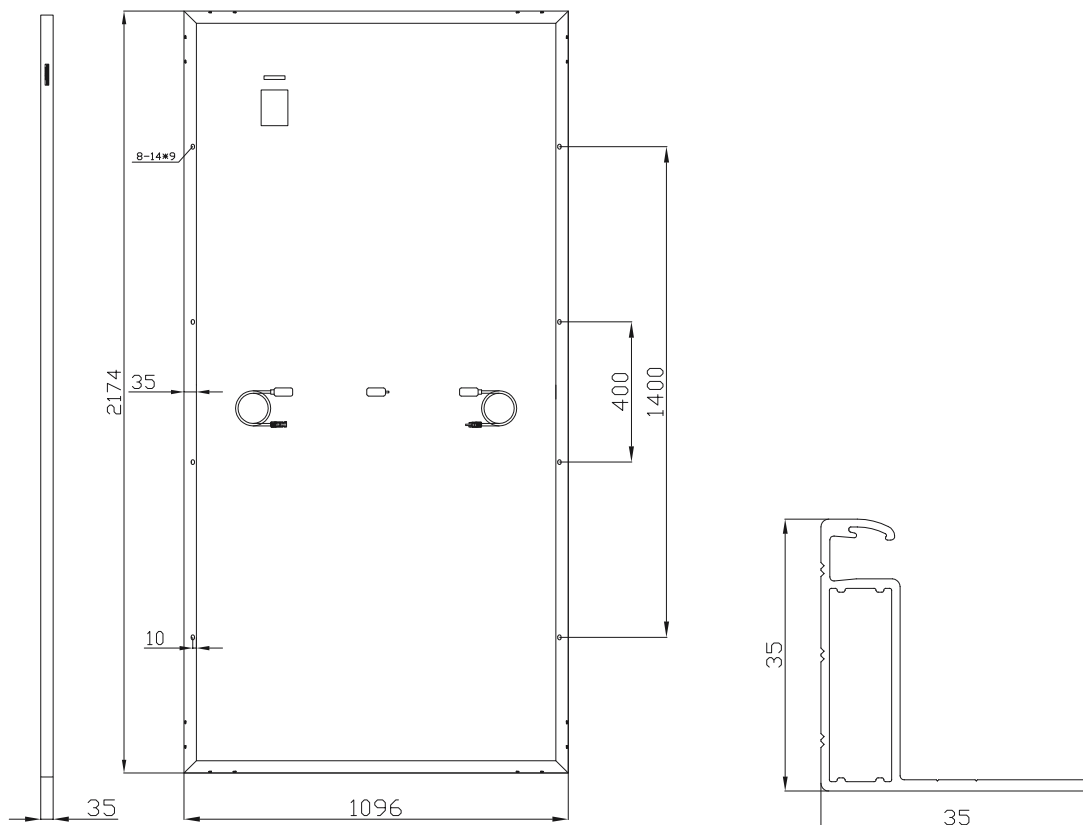
Strict salt spray and ammonia corrosion test by the third party.



Load Capacity

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

Mechanical Diagrams



Specifications

Weight	28kg
Dimension	2174mm*1096mm*35mm
Cell Dimension	210*105mm
Cell Amount	50*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² ,+300,-300mm/±1300mmLength can be customized
Connector	MC4 compatible
Applicatoon Level	Class A

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

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

Packing Configuration

Modules/Pallet	31 Pieces	Modules/40'Container	620 Pieces
Packaging Description	20 Pallets, Total=(31+31)x10=620 Pieces		

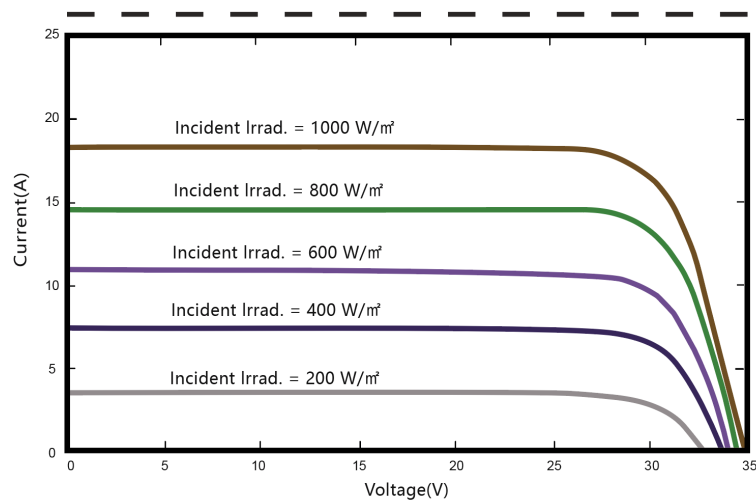
Electrical Parameters At Stc

Module Type	HS485-MHG	HS490-MHG	HS495-MHG	HS500-MHG
Power	485W	490W	495W	500W
Open Circuit Voltage	34.22V	34.42V	34.62V	34.82V
Short Circuit Current	18.05A	18.13A	18.21A	18.29A
Maximum Power Voltage	28.49V	28.69V	28.89V	29.09V
Maximum Power Current	17.03A	17.08A	17.13A	17.19A
Module Efficiency	0.2036	0.2056	0.2077	0.2098

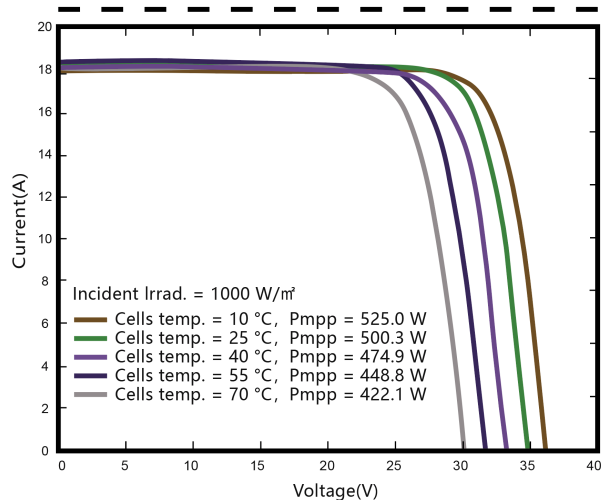
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

IV Characteristics

HS500-MHG



HS500-MHG



Maximum Rating

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

15
YEARS

Quality
Warranty

25
YEARS

Power
Warranty