



MS-550W

Mono Half-cut Single/Double Glass Module

550/MB

Series

INTRODUCTION

MONO half-cut single / double glass module, assembled with multi-busbar PERC technique and half-cut structure, which can not only absorb the energy from the front of the module, but also absorb the reflected light and the scattered light from the back, offer the advantages of higher power output, reduce shading effect on the energy generation, enhance the mechanical load bearing capacity as well.



LCOE save 6-8%

↓6% Saving logistics cost

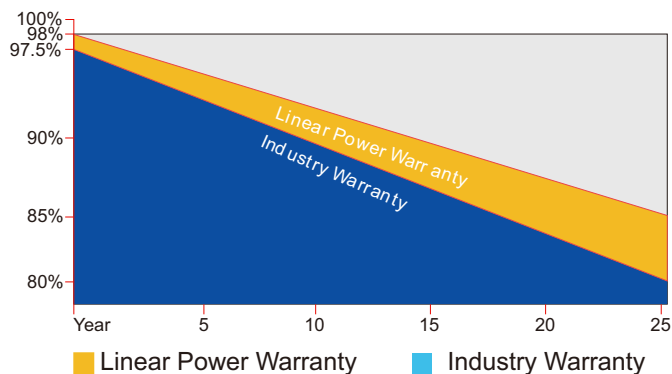
↓7% Saving cable cost

↓8% Saving bracket cost

↓9% Saving labor cost

First-class Quality Assurance

- 10-year warranty for material and technology
- 25-year linear power output warranty

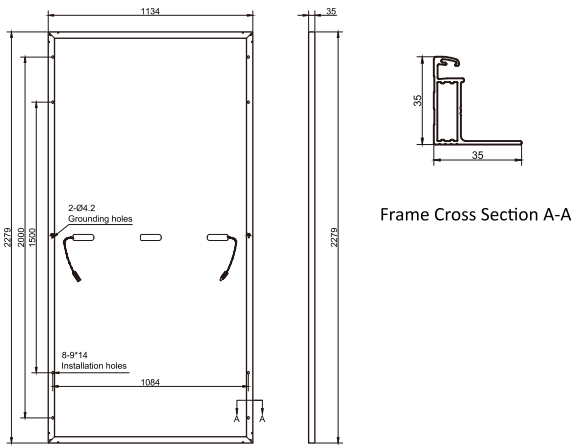


Comprehensive Certificates

- IEC61215, IEC61730
- ISO9001: 2015 Quality management systems
- ISO45001: Environmental management systems
- ISO45001: 2018 Occupational health and safety management systems



Mechanical Diagrams



PS:Frame color and cable length can be customized

Specifications

Weight	27.3kg
Dimensions	2279mm*1134mm*35mm
Cell Amount	72*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² /300mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	MS-550W
Maximum Power (Pmax/W)	550
Open Circuit Voltage(Voc/V)	49.95
Short Circuit Current(Isc/A)	14.05
Maximum Power Voltage(Vmp/V)	41.97
Maximum Power Current(Imp/A)	13.11
Module Efficiency(%)	21.30

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

ELECTRICAL PARAMETERS AT NOCT

Maximum Power (Pmax/W)	414.0
Open Circuit Voltage(Voc/V)	46.63
Short Circuit Current(Isc/A)	11.17
Maximum Power Voltage(Vmp/V)	39.31
Maximum Power Current(Imp/A)	10.53

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

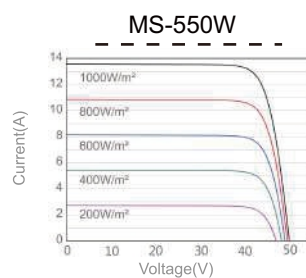
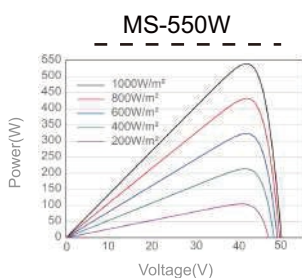
TEMPERATURE CHARACTERISTICS

NOCT	45±2°C	Temp Coefficient of Isc	+0.046%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.350%/°C

PACKING CONFIGURATION

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

CHARACTERISTICS



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	20A