

M672NH-WB Series

9BB HALF-CELL Monocrystalline PERC PV Module

430-455W

POWER RANGE

20.93%

MAXIMUM EFFICIENCY

0.55%

YEARLY DEGRADATION

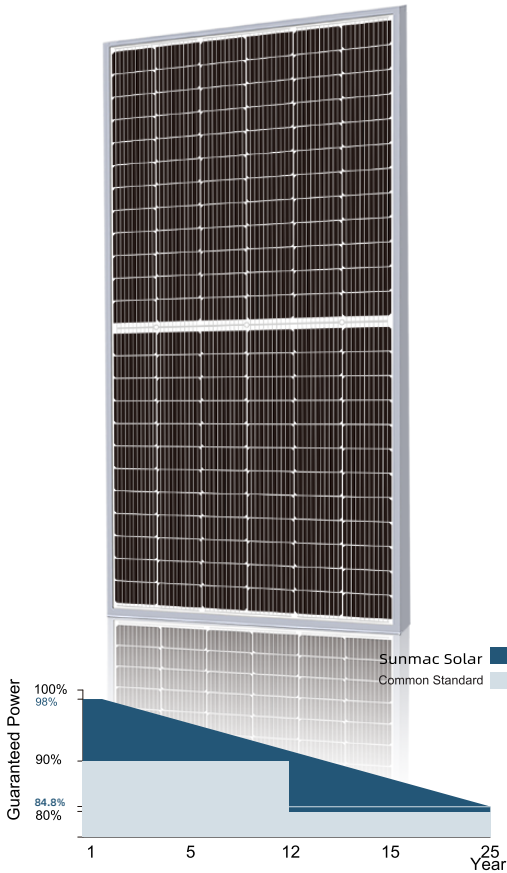
25 25 YEAR PRODUCT WARRANTY

25 25 YEAR OUTPUT GUARANTEE



ISO 9001: Quality Management System

*As there are different certification requirements in different markets, please contact your local sunmac solar sales representative for the specific certificates applicable to the products in the region in which the products are to be used.



*Please check the valid version of Limited Product Warranty which is officially released by WYONE TRADING, INC.

Key Features



Excellent Cell Efficiency

MBB technology reduces the distance between busbars and finger grid lines which increases power output.



Better Weak Illumination Response

More power output in weak light conditions, such as hazy or cloudy skies and early morning sunlight.



Anti PID

Ensured PID resistance through the quality control of cell manufacturing processes and sourcing of raw materials.



Adapt To Harsh Outdoor Environment

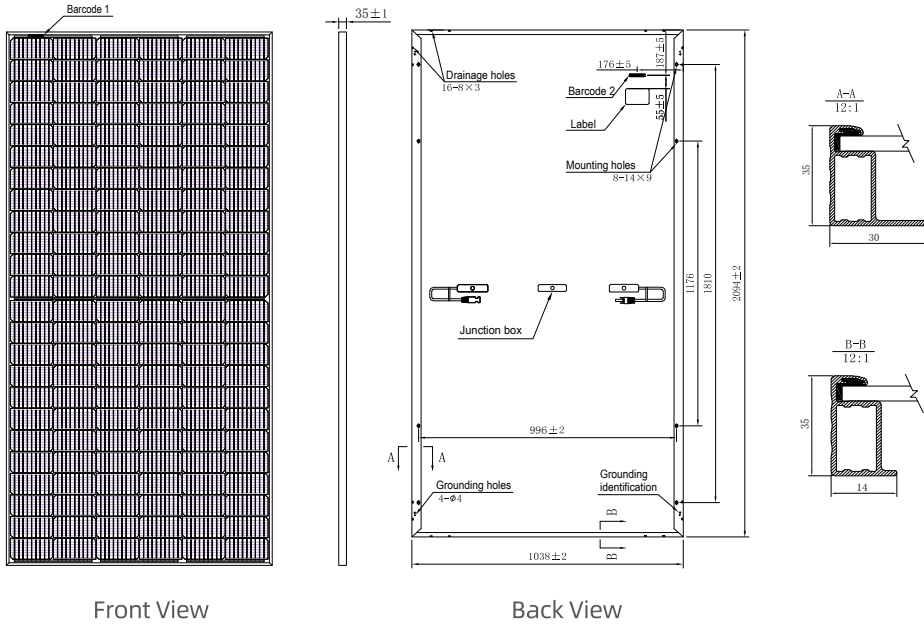
Resistant to harsh environments such as salt, ammonia, sand, high temperatures and high humidity environments.



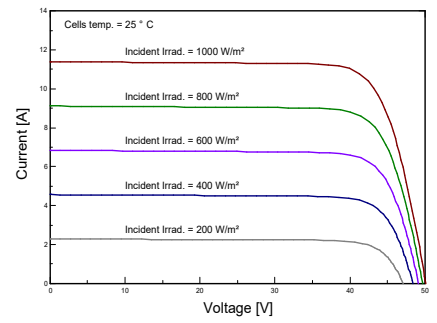
Excellent Quality Management System

Warranted reliability and stringent quality assurances well beyond certified requirements.

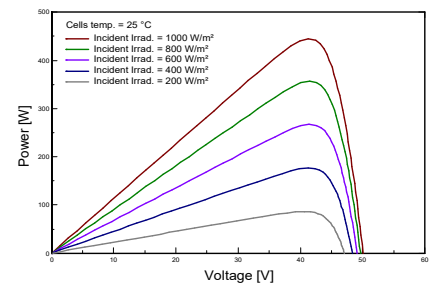
DIMENSIONS OF PV MODULE (mm)



I-V CURVES OF PV MODULE (445W)



P-V CURVES OF PV MODULE (445W)



* Remark: customized frame color and cable length available upon request

ELECTRICAL CHARACTERISTICS | STC*

Nominal Power Watt Pmax(W)*	430	435	440	445	450	455
Maximum Power Voltage Vmp(V)	40.60	40.80	41.00	41.20	41.40	41.60
Maximum Power Current Imp(A)	10.60	10.67	10.74	10.81	10.87	10.94
Open Circuit Voltage Voc(V)	49.50	49.70	49.90	50.10	50.30	50.50
Short Circuit Current Isc(A)	11.19	11.26	11.33	11.40	11.46	11.53
Module Efficiency (%)	19.78	20.01	20.24	20.47	20.70	20.93

* The data above is for reference only and the actual data is in accordance with the practical testing
 * STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2°C, AM 1.5
 * Measuring uncertainty: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance.

MECHANICAL DATA

Solar cells	Mono PERC
Cells orientation	144 (6×24)
Module dimension	2094×1038×35 mm(With Frame)
Weight	24.0±1.0 kg
Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Junction box	IP 68 , 3 diodes
Cables	4 mm² ,350 mm or Customized Length
Connectors*	MC4-compatible

* Please refer to regional datasheet for specified connector

ELECTRICAL CHARACTERISTICS | NMOT*

Maximum Power Pmax(Wp)	321.50	325.20	328.90	332.70	336.10	339.80
Maximum Power Voltage Vmpp(V)	37.90	38.10	38.20	38.40	38.60	38.80
Maximum Power Current Imp(A)	8.49	8.54	8.60	8.66	8.70	8.76
Open Circuit Voltage Voc(V)	46.20	46.40	46.60	46.70	46.90	47.10
Short Circuit Current Isc(A)	9.04	9.09	9.15	9.21	9.25	9.31

* NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

TEMPERATURE RATINGS

NMOT	44°C ±2°C	Maximum system voltage	1500 V DC
Temperature coefficient of Pmax	-0.36%/°C	Operating temperature	-40°C~+85°C
Temperature coefficient of Voc	-0.29%/°C	Maximum series fuse	20 A
Temperature coefficient of Isc	0.05%/°C	Front Side Maximum Static Loading	Up to 5400Pa

WORKING CONDITIONS

Rear Side Maximum Static Loading Up to 2400Pa

* Remark: Do not connect Fuse in Combiner Box with two or more strings in parallel connection
 * Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.
 * Caution: Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

PACKAGING CONFIGURATION*

Container	40'HQ
Piece/Box	31
Piece	682
Piece(with additional small package)	33

* Customized packaging is available upon request.
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