

M754SH-BB Series

10BB HALF-CELL Black Monocrystalline PERC PV Module

390-410W

POWER RANGE

21.00%

MAXIMUM EFFICIENCY

0.55%

YEARLY DEGRADATION

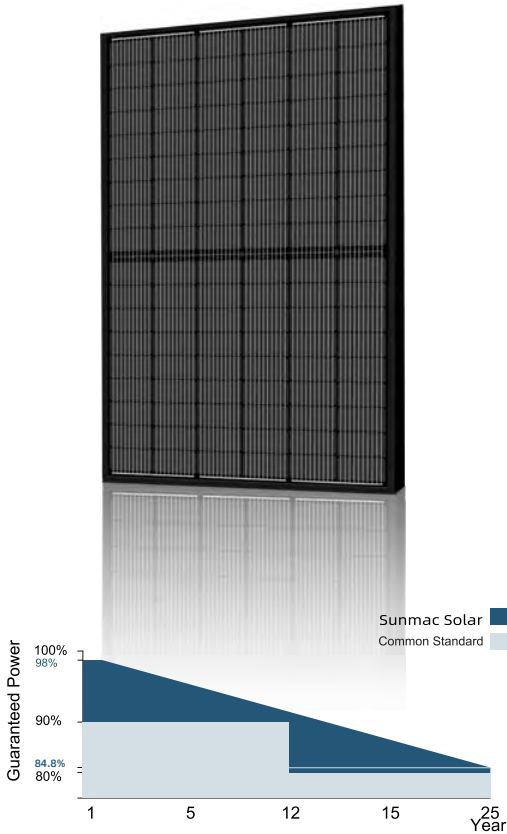
25 25 YEAR PRODUCT WARRANTY

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 increase 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.



Adapted To Harsh Outdoor Environment

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



Improved Aesthetics

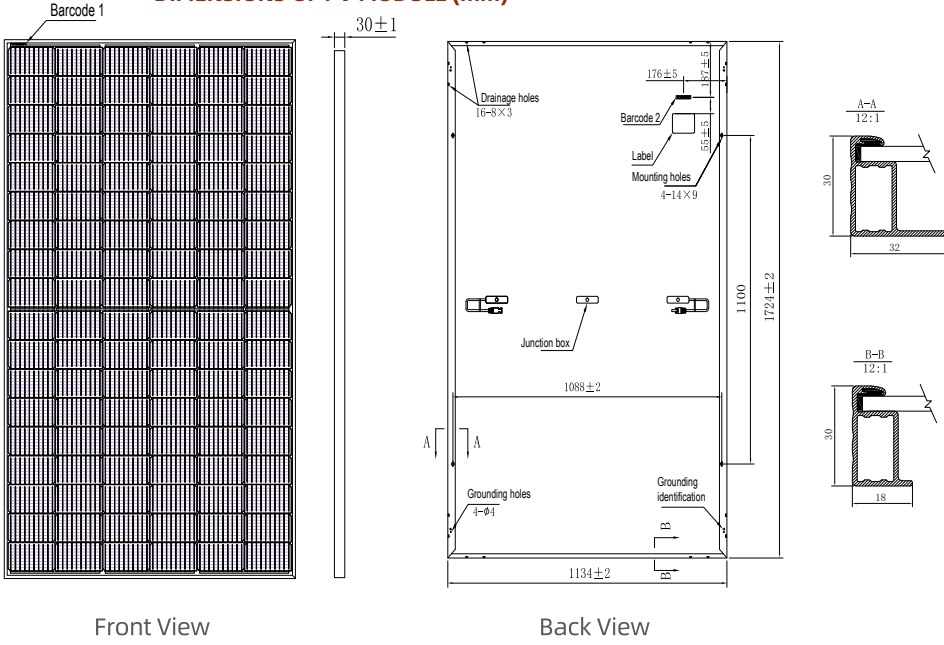
Compared to conventional modules, our full black modules have a more uniform appearance and superior aesthetics.



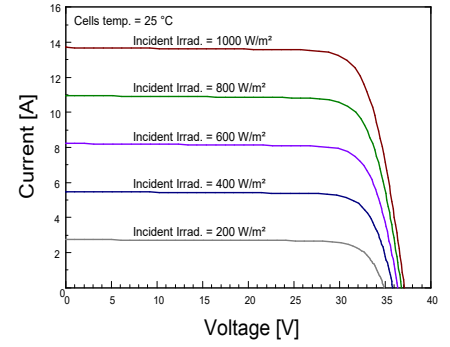
Excellent Quality Management System

Warranted reliability and stringent quality assurances well beyond certified requirements.

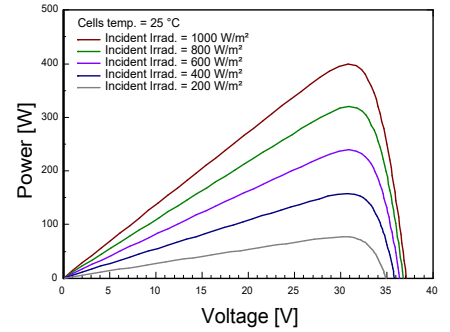
DIMENSIONS OF PV MODULE (mm)



I-V CURVES OF PV MODULE (400W)



P-V CURVES OF PV MODULE (400W)



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

ELECTRICAL CHARACTERISTICS | STC*

Nominal Power Watt Pmax(W)*	390	395	400	405	410
Maximum Power Voltage Vmp(V)	30.50	30.70	30.90	31.10	31.30
Maximum Power Current Imp(A)	12.79	12.87	12.95	13.03	13.10
Open Circuit Voltage Voc(V)	36.70	36.90	37.10	37.30	37.50
Short Circuit Current Isc(A)	13.56	13.63	13.70	13.77	13.84
Module Efficiency (%)	19.97	20.23	20.48	20.74	21.00

*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	108 (6×18)
Module dimension	1724×1134×30 mm (With Frame)
Weight	20.5±1.0 kg
Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Junction box	IP 68, 3 diodes
Cables	4 mm ² , 350 mm or Customized Length
Connectors *	MC4-compatible

* Please refer to regional datasheet for specified connector

ELECTRICAL CHARACTERISTICS | NMOT*

Maximum Power Pmax(Wp)	291.50	295.20	299.00	302.70	306.30
Maximum Power Voltage Vmpp(V)	28.30	28.50	28.70	28.90	29.10
Maximum Power Current Impp(A)	10.29	10.35	10.41	10.47	10.53
Open Circuit Voltage Voc(V)	34.30	34.50	34.70	34.80	35.00
Short Circuit Current Isc(A)	10.95	11.01	11.06	11.12	11.18

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

TEMPERATURE RATINGS

NMOT	44°C ±2°C
Temperature coefficient of Pmax	-0.35%/°C
Temperature coefficient of Voc	-0.29%/°C
Temperature coefficient of Isc	0.05%/°C

WORKING CONDITIONS

Maximum system voltage	1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	25 A
Front Side Maximum Static Loading	Up to 5400Pa
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	36
Piece	936
Piece(with additional small package)	/

* Customized packaging is available upon request.
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