

# MS-M836H 300W

## MBB HALF-CUT BIFACIAL MODULE

### 1.6°C

It's temperature is 1.6°C lower than that of the conventional module

### 4%

4% more energy generation



#### Half-Cut technique leads to increased power output

When the cells are cut into halves, the current are also halved, which enables less internal loss. Series-parallel wiring improves power performance. The working temperature of module and junction box are lower than that of conventional types, which effectively reduces the hot spot risk and reduces overall module damage.



#### Series-parallel wiring mode results in reduced shading loss

Series-parallel wiring will not only reduce power loss from shade but also improves the effective use of supports and space.



#### Excellent temperature performance

The temperature of HC module is 1.6 °C lower than that of the conventional module under the same working condition, which results less power loss.



#### Reduced encapsulation loss due to reduced current

HC module is of lower current and lower CTM loss at around 0.2%, while the CTM loss of conventional module is 1%.



#### 1500V high system voltage design

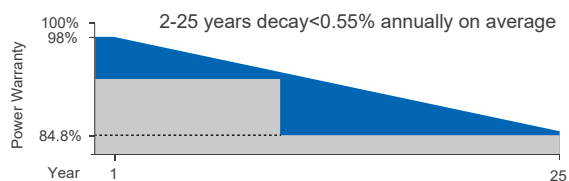
## LINEAR PERFORMANCE WARRANTY

12  
years

Product warranty on materials and workmanship

25  
years

Linear power output warranty



## CERTIFICATES

ISO 9001: 2015  
Quality Management System

IEC 61215 / IEC 61730

ISO 14001: 2015  
Environmental Management System

OHSAS 18001: 2007  
Occupational Health &  
Safety Management System

\*Certification requirements vary in different markets, please consult with Maysun Solar Co., Ltd. sales team for appropriate certification.



Maysun Solar Co., Ltd.

Glamorous Beauty-New Energy Trend

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ELECTRICAL PARAMETERS @ STC

Max. Power Output Pmax (W)	300
Power Tolerance	0~+10W
Max. Power Voltage Vmp (V)	21.79
Max. Power Current Imp (A)	13.77
Open Circuit Voltage Voc (V)	25.70
Short Circuit Current Isc (A)	14.67
Module Efficiency (%)	22.74

\*STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup> , Cell Temperature 25℃, Air Mass 1.5  
 \*Measurement Tolerance (±3.0%)

ELECTRICAL PARAMETERS @ NOCT

Max. Power Output Pmax (W)	226.9
Max. Power Voltage Vmp (V)	20.66
Max. Power Current Imp (A)	10.98
Open Circuit Voltage Voc (V)	24.37
Short Circuit Current Isc (A)	11.84

\*NOCT(Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup> , Ambient Temperature 20℃ , Wind Speed 1m/s

TEMPERATURE COEFFICIENTS

Temperature Coefficients of Pmp	-0.328%/℃
Temperature Coefficients of Voc	-0.254%/℃
Temperature Coefficients of Isc	0.041%/℃

MECHANICAL PARAMETERS

Cell Type	Mono 182x91mm
Number of Cells	72pcs(4x18)
Dimensions ( L*W*H )	1722x766x25mm
Weight	15.5 kg±5%
Frame	Anodised Aluminum
Junction Box	IP68, 2 bypass diodes
Cable, Length	4.0mm <sup>2</sup> , 300mm or customized

OPERATING CONDITION

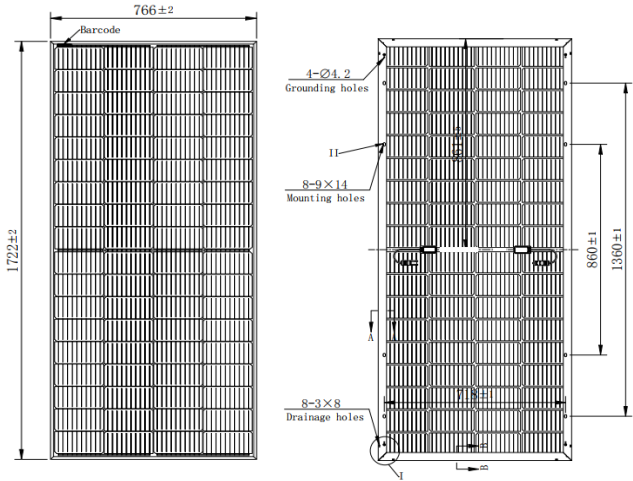
Maximum System Voltage(V)	1000/1500(DC)
Operating Temperature(℃)	-40~+85
Max. Wind Load / Snow Load(pa)	2400/5400
Max. Series Fuse Rating(A)	25
Fire Rating	Class C
NOCT(℃)	45±2

PACKAGE INFORMATION

Container 40'HQ	1596pcs
Quantity / Pallet	43
Package size :1310x1100x2520mm	Net weight : 31.0kg Gross weight : 36kg

\*Specifications are subject to change without prior notice.

ASSEMBLY DRAWING (Unit:mm)



I-V CURVES

