

# OH-M10/144G

HALF-CELL BIFACIAL  
Monocrystalline Module

**530-550W**

**550W** Maximum Power Output

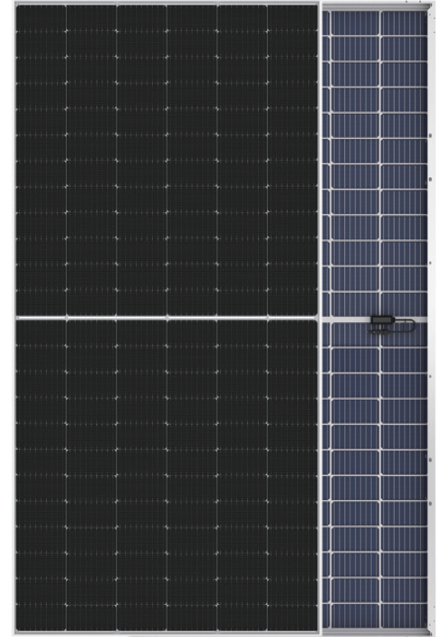
**21.5%** Maximum Module Efficiency

**0~+5W** Power Output Guarantee

Cell Type



9BB/10BB(182mm)



Ideal choice for large scale ground installation



High conversion efficiency due to top quality wafers and advanced cell technology



Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free



Additional safety, Fire class Acertified



Withstand up to 1500V system voltage effectively reduce BOS cost

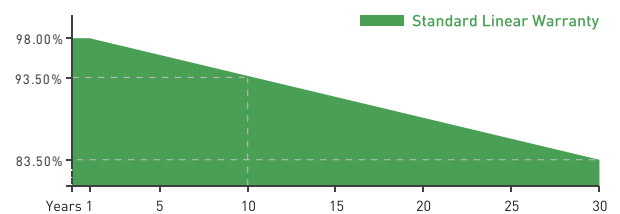


Sand blowing test, salt mist test and ammonia test pass to endure harsh environmen

## Deliver Reliable Performance Over Time

- manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and OHSAS: 18001 2007
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716, DIN EN 60068-2- 68)
- Long term reliability tests
- 2x100% EL inspection ensuring defect-free modules

## Linear Performance Warranty



**12 Years Product Warranty 30 Years Linear Power Warranty**

\* Please refer to standard warranty for details



### Electrical Specification (STC\*)

Maximum Power	P <sub>max</sub> (W)	530	535	540	545	550
Maximum Power Voltage	V <sub>mp</sub> (V)	40.56	40.63	40.70	40.80	40.90
Maximum Power Current	I <sub>mp</sub> (A)	13.07	13.17	13.27	13.36	13.45
Open Circuit Voltage	V <sub>oc</sub> (V)	49.26	49.34	49.42	49.52	49.62
Short Circuit Current	I <sub>sc</sub> (A)	13.71	13.79	13.85	13.94	14.03
Module Efficiency	(%)	20.7	20.9	21.1	21.3	21.5
Power Output Tolerance	(W)			0-+5		

\*Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, Air Mass 1.5

### Electrical Specification (NOCT\*)

Maximum Power	P <sub>max</sub> (W)	394	398	402	406	410
Maximum Power Voltage	V <sub>mp</sub> (V)	37.92	38.05	38.19	38.32	38.46
Maximum Power Current	I <sub>mp</sub> (A)	10.40	10.46	10.52	10.58	10.64
Open Circuit Voltage	V <sub>oc</sub> (V)	46.50	46.63	46.75	46.88	47.00
Short Circuit Current	I <sub>sc</sub> (A)	11.06	11.12	11.19	11.25	11.32

\*Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

### Mechanical Data

Number of Cells	144 Cells (6x24)
Dimensions of Module L*W*H (mm)	2279x1134x35mm (89.72x44.64x 1.38 inches)
Weight (kg)	34.4 kg
Front Side Glass	High transparency solar glass 2.0mm (0.08 inches)
Back Side Glass	High transparency solar glass 2.0mm (0.08 inches)
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 300mm (11.8 inches)
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC Compatible
Bifaciality	70±5%

\*For more details please check the installation manual

### Temperature Ratings

### Maximum Ratings

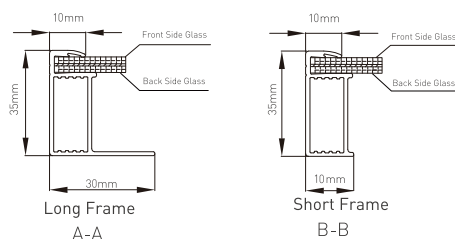
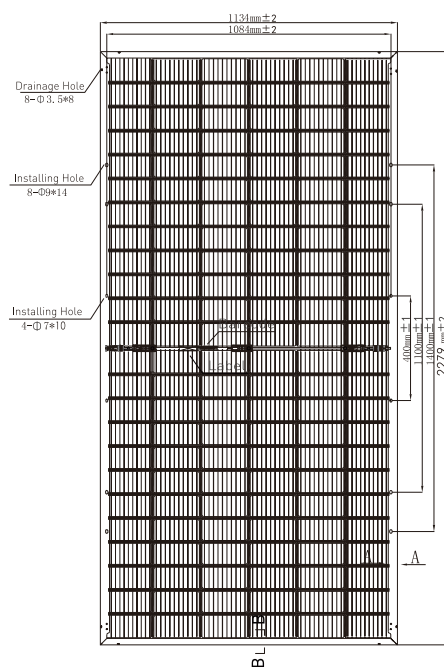
Nominal Operating Cell Temperature (NOCT)	44±2°C	Operational Temperature	-40-+85°C
Temperature Coefficient of I <sub>sc</sub>	+0.048%/°C	Maximum System Voltage	1500V DC -(H)
Temperature Coefficient of V <sub>oc</sub>	-0.270%/°C	Max Series Fuse Rating	25A
Temperature Coefficient of P <sub>max</sub>	-0.350%/°C		

### Packaging Configuration

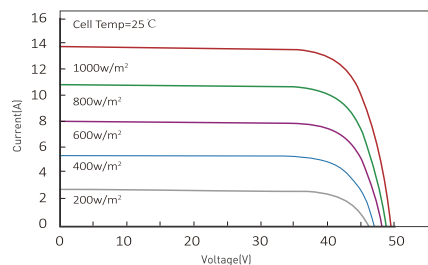
### Optional

Module per box	31 pieces	Connector	<input checked="" type="checkbox"/> MC Original
Module per 40' container	620 pieces		

### Module Dimension



### I-V Curve at Different Temperature (530W)



### I-V/P-V Curve at Different Irradiation(530W)

