



OH-M10/144H

HALF-CELL Monocrystalline Module

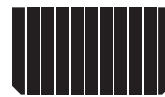
530-550W

550w Maximum Power Output

21.5% Maximum Module Efficiency

0~+5W Power Output Guarantee

Cell Type



10BB(182.00mm)



Excellent cells efficiency

MBB technology decreases the distance between bus bars and finger grid line which is benefit to power increase.



Better Weak Illumination Response

More power output in weak light condition, such as haze, cloudy, and morning



Anti PID

Limited power degradation caused by PID effect is guaranteed under strict testing condition for mass production



High wind and snow resistance

■ 5400 Pa snow load

■ 2400 Pa wind load



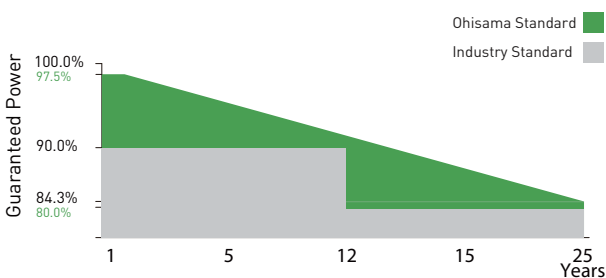
25 years power warranty

After 25years our solar panel keeps at least 80% of its initial power output



Higher lifetime Power Yield

Lower degradation and linear degradation over 25 years



12 years product warranty



25 years output warranty with Linear Annual Degradation



Electrical Specification (STC*)

Maximum Power	Pmax(W)	530	535	540	545	550
Maximum Power Voltage	Vmp(V)	40.74	40.88	41.01	41.15	41.28
Maximum Power Current	Imp(A)	13.01	13.09	13.17	13.24	13.32
Open Circuit Voltage	Voc(V)	49.26	49.40	49.53	49.67	49.80
Short Circuit Current	Isc(A)	13.69	13.77	13.85	13.93	14.01
Module Efficiency	(%)	20.8	21.0	21.2	21.3	21.5
Power Output Tolerance	(W)			0~+5		

*Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

Electrical Specification (NOCT*)

Maximum Power	Pmax(W)	394	398	402	406	410
Maximum Power Voltage	Vmp(V)	37.92	38.05	38.19	38.32	38.46
Maximum Power Current	Imp(A)	10.40	10.46	10.52	10.58	10.64
Open Circuit Voltage	Voc(V)	46.50	46.63	46.75	46.88	47.00
Short Circuit Current	Isc(A)	11.06	11.12	11.19	11.25	11.32

* Irradiance 800W/m², Ambient T emperature 20°C, Wind Speed 1m/s

Mechanical Data

Number of Cells	144 Cells (6x24)
Dimensions of Module L *W*H (mm)	2256x1134x35mm (88.81x44.64x1.38 inches)
Weight (kg)	27.2 kg
Glass	High transparency solar glass 3.2mm (0.13 inches)
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm ² [0.006 inches ²], 300mm (11.8 inches)
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC Compatible

*For more details please check the installation manual

Temperature Ratings

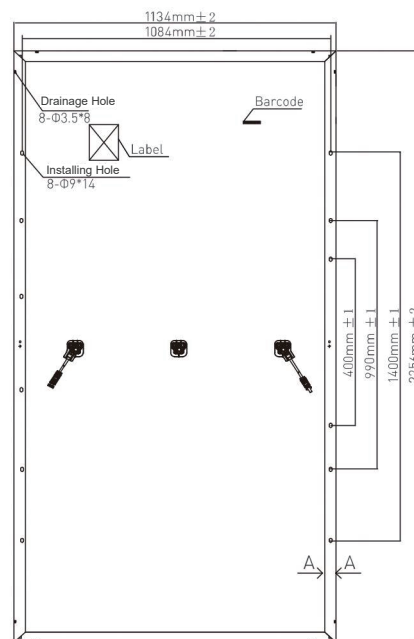
Nominal Operating Cell Temperature (NOCT)	44±2°C	Operational Temperature	-40~+85°C
Temperature Coefficient of Isc	+0.048%/°C	Maximum System Voltage	1500V DC -(H)
Temperature Coefficient of Voc	-0.270%/°C	Max Series Fuse Rating	25A
Temperature Coefficient of PMAX	-0.350%/°C		

Packaging Configuration

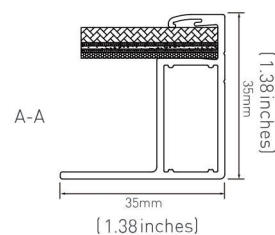
Module per box	31 pieces	Connector	MC Original
Module per 40' container	620 pieces		

Maximum Ratings

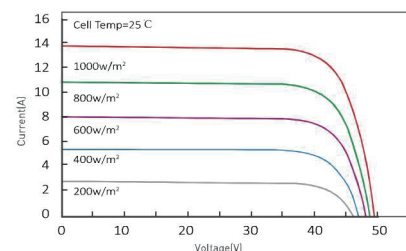
Module Dimension



Back View



I-V Curve at Different Temperature (530W)



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

