

HY-M10/144

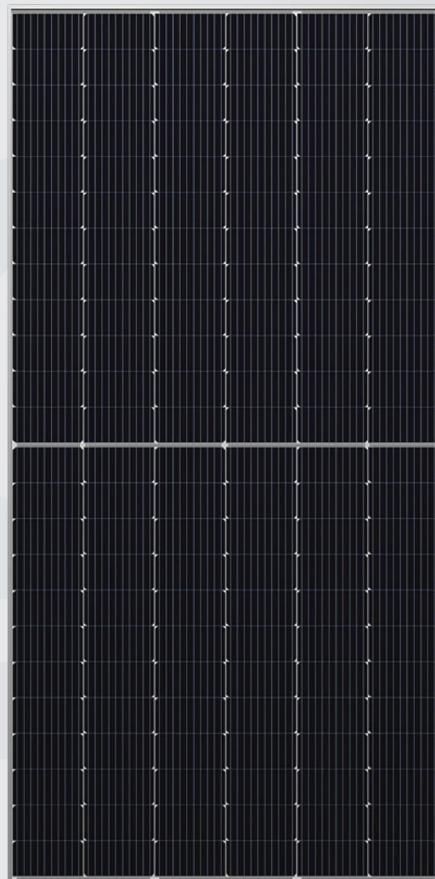
HY-M10/144H

Monocrystalline Module
530-555W

Cell Type



10BB(182mm)



555W

Maximum Power Output

21.5%

Maximum Module Efficiency

0~+5W

Power Output Guarantee



Ideal choice for large scale ground Installation



Selected encapsulating material and Stringent production process control Ensure the product is highly PID resistant And snail trails free



Special cutting and soldering Technology leads to low hotspot risk



Sand blowing test, salt mist test and Ammonia test passed to endure harsh Environments

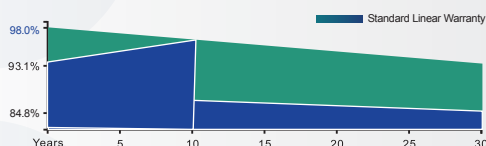


Optimized system performance due to Module level current sorting



Highly transparent self-cleaning glass brings Additional yield and easy maintenance

Linear Performance Warranty



15 years product warranty / 30 years linear power warranty

* Please refer to Standard warranty for details

Delivers 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

Product Certification



HY-M10/144

HY-M10/144H

Monocrystalline Module
530-555W

Electrical Specification (STC*)

	Pmax(W)	530	535	540	545	550	555
Maximum Power	Vmp(V)	40.74	40.88	41.01	41.15	41.28	41.41
Maximum Power Voltage	Imp(A)	13.01	13.09	13.17	13.24	13.32	13.39
Maximum Power Current	Voc(V)	49.26	49.40	49.53	49.67	49.80	49.93
Open Circuit Voltage	Isc(A)	13.69	13.77	13.85	13.93	14.01	14.09
Short Circuit Current	(%)	20.5	20.7	20.9	21.1	21.3	21.5
Module Efficiency	(W)	0~+5					
Power Output Tolerance							

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

Electrical Specification (NOCT*)

	Pmax(W)	394	398	402	406	410	414
Maximum Power	Vmp(V)	37.92	38.05	38.19	38.32	38.46	38.59
Maximum Power Voltage	Imp(A)	10.4	10.46	10.52	10.58	10.64	10.72
Maximum Power Current	Voc(V)	46.50	46.63	46.75	46.88	47.00	47.12
Open Circuit Voltage	Isc(A)	11.06	11.12	11.19	11.25	11.32	11.39
Short Circuit Current							

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

Mechanical Data

Number of Cells	144 Cells (6x24)
Dimensions of Module L*W*H (mm)	2278x1134x30mm (89.68x44.64x1.18 inches)
Weight (kg)	26.9 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), 2300 (90.5 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
Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of PMAX	-0.350%/°C

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC -(H)
Max Series Fuse Rating	25A

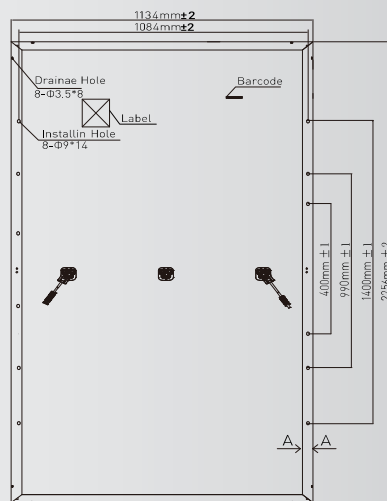
Packaging Configuration

Module per box	37 pieces
Module per 40' Container	740 pieces

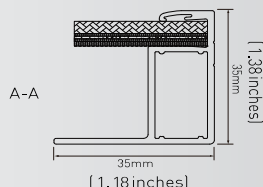
Optional

Connector ☒ MC Original

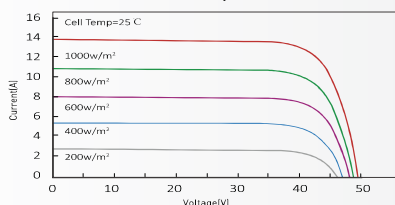
Module Dimension



Back View



I-V Curve at Different Temperature (530W)



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

