



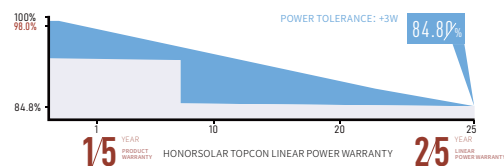
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LEARN MORE ABOUT THE
PRODUCT DETAILS
OF PV MODULES

550^W - 585^W HY-M10 144H

182 mm M BB 144 pcs | TOPCon Mono-Crystalline Half-Cell Photovoltaic Module



TOPCon Half-cell TOPCon cells with
super multi-busbar technology

Excellent low-light power
generation performance

**100% TEST
MES** 100% tested with a 25-year
guaranteed system operation

Fire Resistance Class A

Enhanced mechanical
load capacity

PID resistance



HY-M10/144H

182 mm M BB 144 pcs TOPCon Mono-Crystalline Half-Cell Photovoltaic Module

Electrical Specification (STC/NOCT)

MODEL	HY-M10/144H-550		HY-M10/144H-555		HY-M10/144H-560		HY-M10/144H-565		HY-M10/144H-570		HY-M10/144H-575		HY-M10/144H-580		HY-M10/144H-585	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output-Pmax(W)	550	413	555	417	560	421	565	425	570	429	575	433	580	437	585	441
Maximum Power Voltage-Vmp(V)	42.6	39.09	42.8	39.19	43	39.28	43.2	39.38	43.4	39.51	43.6	39.64	43.8	39.77	44	39.91
Maximum Power Current-Imp(A)	12.93	10.57	12.99	10.64	13.04	10.71	13.1	10.79	13.15	10.85	13.21	10.92	13.26	10.97	13.32	11.02
Open-Circuit Voltage-Voc(V)	50.97	47.64	51.17	47.78	51.37	47.92	51.57	48.06	51.77	48.20	51.97	48.34	52.17	48.48	52.37	48.62
Short-Circuit Current-Isc(A)	13.77	11.28	13.83	11.35	13.89	11.42	13.95	11.49	14.01	11.55	14.06	11.62	14.12	11.69	14.18	11.76
Module Efficiency-ηm(%)	21.3	/	21.5	/	21.7	/	21.9	/	22.1	/	22.3	/	22.5	/	22.6	/
Power Tolerance(W)	(0,+5W)															
Maximum System Voltage(V)	1500Vdc (IEC / UL)															
Max Series Fuse Rating(A)	25A															

*Standard Test Conditions (STC): Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM 1.5

*NOCT Testing Conditions: Irradiance 800 W/m², Cell Temperature 20°C, Wind Speed 1 m/s

Structural Performance

Cell Arrangement	TOPCon Mono-Crystalline 182mm(2x72pcs)
Dimensions of Module L*W*H	2278x1134x30mm
Weight	27 kg
Glass	Coated, 3.2mm tempered Glass, low Iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Cables	4.0mm² ,30cm(+),30cm(-), length can be customized
Mechanical Load	Front Side Max.5400Pa, Rear Side Max.2400Pa
Connector	MC4 Compatible

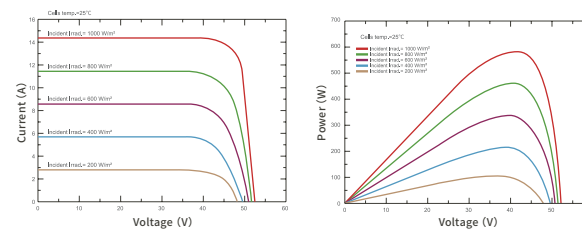
Temperature characteristics

Nominal Operating Cell Temperature (NOCT)	45±2 C
Temperature Coefficient of Pmax	-0.310% C
Temperature Coefficient of Voc	-0.260% C
Temperature Coefficient of Isc	+0.046% C
Operational Temperature	-40~+85 C

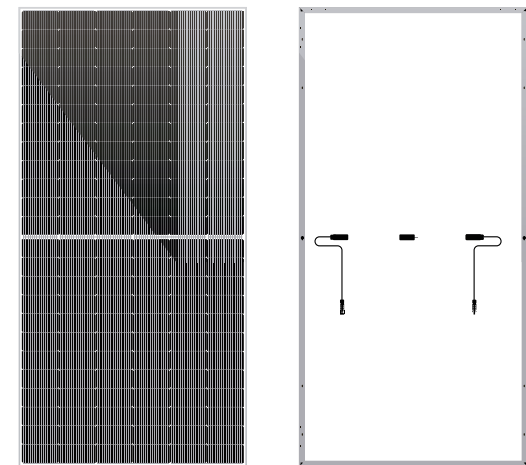
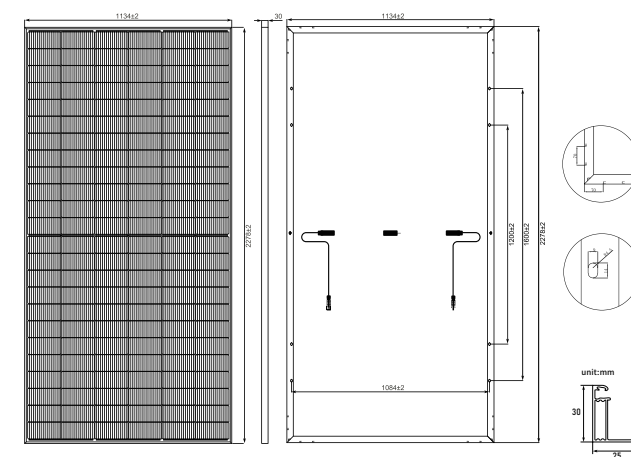
Packaging

	2278x1134x30mm
Container	40'HQ
Module per box	37
Module per 40' Container	740

Current-Voltage & Power-Voltage Curves



*The unit is millimeter.
*The picture below is a schematic diagram of the product, if you need detailed drawings, please contact HonorSolar.



Specifications are subject to change without prior notice!

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