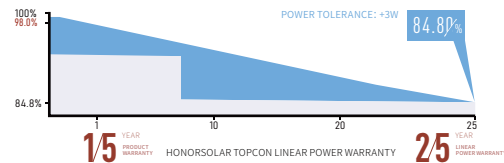




585^W - 620^W HY-M16 144H

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



 Half-cell TOPCon cells with super multi-busbar technology

 Fire Resistance Class A

 Excellent low-light power generation performance

 Enhanced mechanical load capacity

 100% tested with a 25-year guaranteed system operation

 PID resistance



HY-M16/144H

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

Electrical Specification (STC/NOCT)

MODEL	HY-M16/144H-585		HY-M16/144H-590		HY-M16/144H-595		HY-M16/144H-600		HY-M16/144H-605		HY-M16/144H-610		HY-M16/144H-615		HY-M16/144H-620	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output-Pmax(W)	585	445.3	590	449.1	595	452.9	600	456.7	605	460.6	610	464.4	615	468.2	620	472.0
Maximum Power Voltage-Vmp(V)	43.57	41.41	43.68	41.51	43.79	41.63	43.90	41.72	44.00	41.82	44.11	41.92	44.22	42.03	44.33	42.13
Maximum Power Current-Imp(A)	13.43	10.76	13.51	10.82	13.59	10.88	13.67	10.95	13.75	11.02	13.83	11.08	13.91	11.14	13.99	11.21
Open-Circuit Voltage-Voc(V)	52.01	49.43	52.12	49.53	52.23	49.64	52.34	49.74	52.44	49.84	52.55	49.94	52.66	50.04	52.77	50.15
Short-Circuit Current-Isc(A)	14.29	11.58	14.37	11.54	14.45	11.61	14.53	11.67	14.61	11.74	14.69	11.80	14.77	11.86	14.85	11.92
Module Efficiency-ηm(%)	21.6	/	21.8	/	22.0	/	22.2	/	22.4	/	22.6	/	22.7	/	22.9	/
Power Tolerance(W)	(0,+5W)															
Maximum System Voltage(V)	1500Vdc (IEC / UL)															
Max Series Fuse Rating(A)	30A															

*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

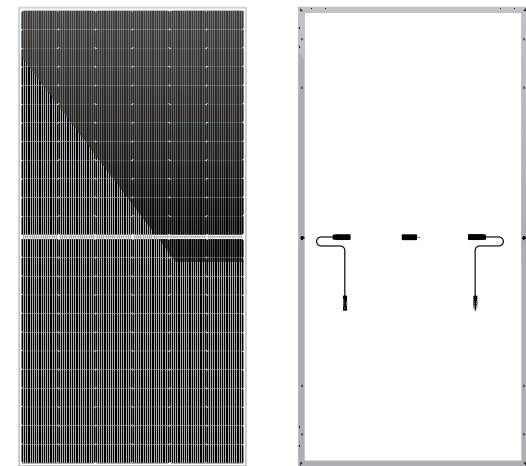
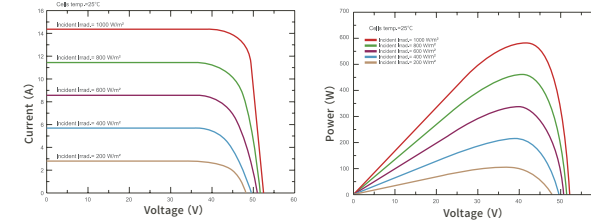
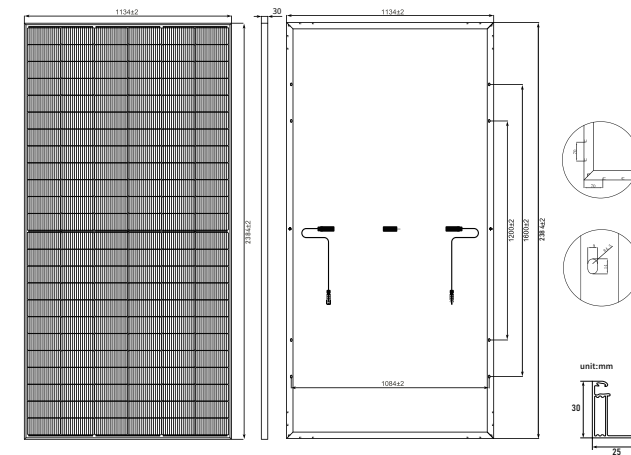
Cell Arrangement	TOPCon Mono-Crystalline 182mm (2x72pcs)
Dimensions of Module L*W*H	2384x1134x30mm
Weight	28.2 kg
Glass	Coated, 3.2mm tempered Glass, low Iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Cables	4.0mm ² , 30cm(+), 30cm(-), length can be customized
Mechanical Load	Front Side Max.5400Pa, Rear Side Max. 2400Pa
Connector	MC4 Compatible

Packaging

	2384x1134x30mm
Container	40'HQ
Module per box	37
Module per 40' Container	740

*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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