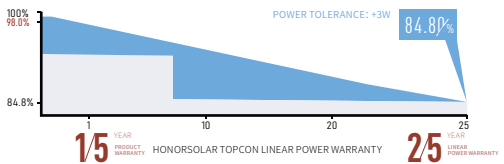




455^W - 490^W HY-M10 120H

182 mm M BB 120 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-M10/120H

182 mm M BB 120 pcs TOPCon Mono-Crystalline Half-Cell Photovoltaic Module

Electrical Specification (STC/NOCT)

MODEL	HY-M10/120H-455		HY-M10/120H-460		HY-M10/120H-465		HY-M10/120H-470		HY-M10/120H-475		HY-M10/120H-480		HY-M10/120H-485		HY-M10/120H-490	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output-Pmax(W)	455	336	460	340	465	344	470	348	475	352	480	356	485	360	490	364
Maximum Power Voltage-Vmp(V)	35.3	31.98	35.56	32.03	35.75	32.08	35.95	32.13	36.14	32.18	36.34	32.23	36.54	32.28	36.74	32.34
Maximum Power Current-Imp(A)	12.89	10.51	12.96	10.62	13.03	10.73	13.09	10.84	13.16	10.96	13.22	11.07	13.27	11.18	13.32	11.29
Open-Circuit Voltage-Voc(V)	42.28	39.26	42.48	39.32	42.68	39.38	42.88	39.44	43.08	39.51	43.28	39.57	43.48	39.74	43.68	39.91
Short-Circuit Current-Isc(A)	13.72	11.21	13.80	11.32	13.88	11.42	13.95	11.53	14.02	11.62	14.08	11.73	14.14	11.82	14.21	11.93
Module Efficiency-ηm(%)	21.1	/	21.3	/	21.5	/	21.8	/	22.0	/	22.2	/	22.5	/	22.7	/
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

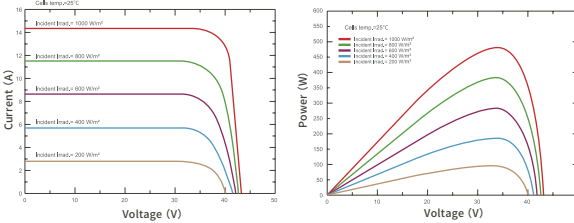
Cell Arrangement	TOPCon Mono-Crystalline 182mm (2x60pcs)
Dimensions of Module L*W*H	1903x1134x30mm
Weight	22.5 kg
Glass	Coated, 3.2mm tempered Glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Cables	4.0mm² ,30cm(+),30cm(-), length can be customized
Mechanical Load	Front Side Max.5400Pa, Rear Side Max.2400Pa
Connector	MC4 Compatible

Temperature characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.300%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Isc	+0.046%/°C
Operational Temperature	-40~+85°C

Packaging

	1903x1134x30mm
Container	40'HQ
Module per box	37
Module per 40' Container	888



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

