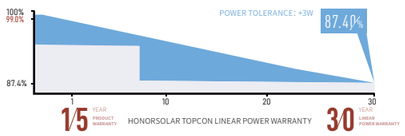
SCAN THE QR CODE TO VISIT THE OFFICIAL WEBSITE AND

LEARN MORE ABOUT THE PRODUCT DETAILS OF PV MODULES

555 - 585 HY-M10/144G

182 mm M BB 144 pcs | TOPCon Double Glass Bifacial Mono Half-Cell PV Module



- Half-cell TOPCon cells with super multi-busbar technology
- Excellent low-light power generation performance
- 100% tested with a 30-year guaranteed system operation
- PID resistance
- Enhanced mechanical load capacity
- High conversion efficiency on both sides

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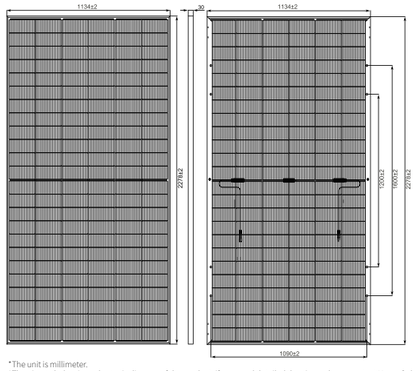
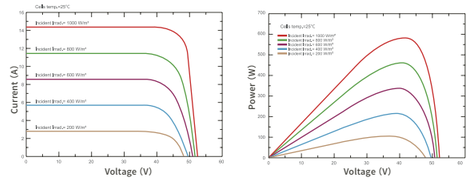
HY-M10/144G

182 mm M BB 144 pcs TOPCon Double Glass Bifacial Mono Half-Cell PV Module



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

Current-Voltage & Power-Voltage Curves



Electrical Specification (STC/NOCT)

MODEL	HY-M10/144G-555		HY-M10/144G-560		HY-M10/144G-565		HY-M10/144G-570		HY-M10/144G-575		HY-M10/144G-580		HY-M10/144G-585	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output-Pmax(W)	555	417	560	421	565	425	570	429	575	434	580	438	585	441
Maximum Power Voltage-Vmp(V)	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)	12.99	10.64	13.04	10.71	13.1	10.79	13.15	10.85	13.21	10.91	13.26	10.97	13.32	11.02
Open-Circuit Voltage-Voc(V)	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)	13.83	11.35	13.89	11.42	13.95	11.49	14.01	11.55	14.06	11.61	14.12	11.66	14.18	11.76
Module Efficiency-ηm(%)	21.5	/	21.7	/	21.9	/	22.1	/	22.3	/	22.5	/	22.6	/
Power Tolerance(W)	(0,+5W)													
Maximum System Voltage(V)	1500V DC-(H)													
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	2278x1134x30mm
Weight	32 kg
Glass	Coated, 2+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

Bifacial Output Rear Side Power Gain

Power Gain	5%	15%	25%
Maximum Power-Pmax(W)	588.0	644.0	700.0
Open-Circuit Voltage-Voc(V)	50.77	50.79	50.80
Short-Circuit Current-Isc(A)	14.81	16.21	17.62
Voltage at Pmax-Vmp(V)	42.05	42.08	42.09
Current at Pmax-Imp(A)	13.99	15.31	16.64

Packaging

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

Temperature characteristics

Nominal Operating Cell Temperature (NOCT)	44±2℃
Temperature Coefficient of Pmax	-0.300%℃
Temperature Coefficient of Voc	-0.250%℃
Temperature Coefficient of Isc	+0.046%℃
Operational Temperature	-40~+85℃

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