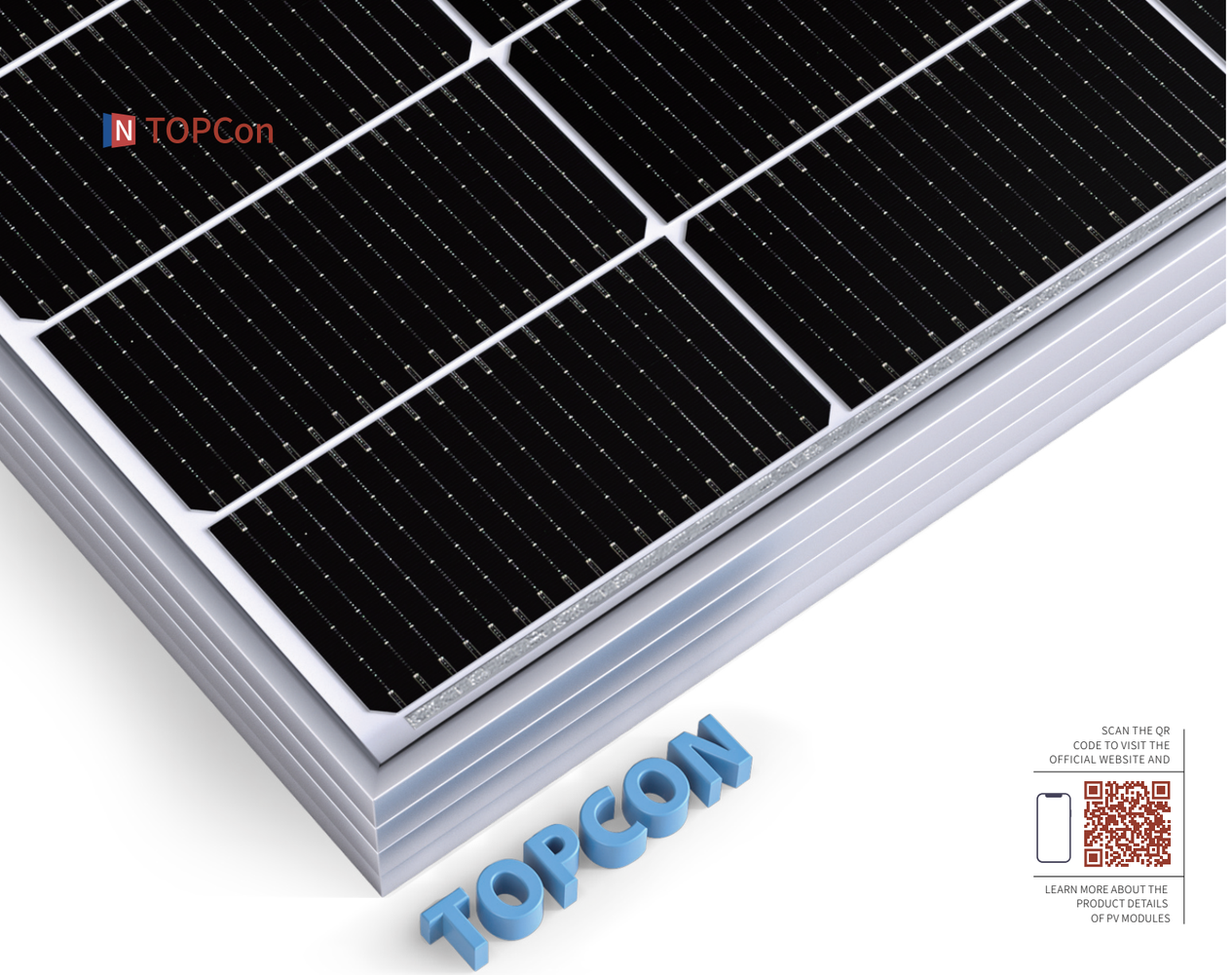


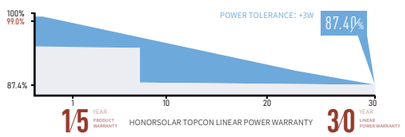
SCAN THE QR CODE TO VISIT THE OFFICIAL WEBSITE AND

LEARN MORE ABOUT THE PRODUCT DETAILS OF PV MODULES

410 W - 440 W

HY-M10 — 108G

182 mm M BB 108 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

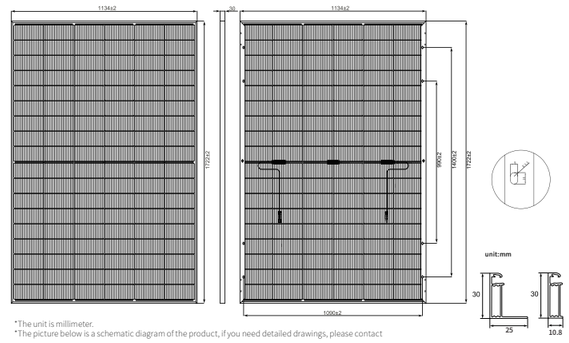
Honor Solar

Ariel Re

Honor Solar

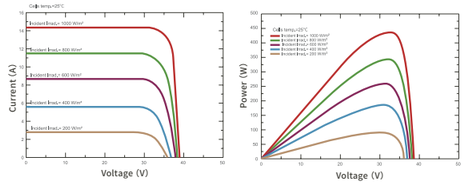
HY-M10/108G

182 mm MBB 108 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

Current-Voltage & Power-Voltage Curves



Electrical Specification (STC/NOCT)

MODEL	HY-M10/108G-410		HY-M10/108G-415		HY-M10/108G-420		HY-M10/108G-425		HY-M10/108G-430		HY-M10/108G-435		HY-M10/108G-440	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output-Pmax(W)	410	452.1	415	457.5	420	462.9	425	468.3	430	473.7	435	479.1	440	484.5
Maximum Power Voltage-Vmp(V)	32.20	32.20	32.39	32.39	32.59	32.59	32.78	32.78	32.98	32 .98	33.18	33.18	33.38	33.38
Maximum Power Current-Imp(A)	12.75	14.20	12.83	14.26	12.91	14.31	12.99	14.36	13.06	14.41	13.12	14.46	13.18	14.51
Open-Circuit Voltage-Voc(V)	38.47	38.47	38.67	38.67	38.87	38.87	39.07	39.07	39.26	39.26	39.46	39.46	39.66	39.66
Short-Circuit Current-Isc(A)	13.61	14.90	13.69	14.96	13.78	15.02	13.86	15.08	13.94	15.14	14.01	15.20	14.08	15.26
Module Efficiency-ηm(%)	20.9	/	21.2	/	21.5		21.7	/	22.0	/	22.2	/	22.5	/
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(2x54pcs)
Dimensions of Module L*W*H	1722x1134x30mm
Weight	24.2 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	10%	15%	20%	25%	30%
Maximum Power - Pmax(W)	473.0	494.5.0	516.0	537.5	554.0
Open-Circuit Voltage - Voc(V)	38.60	38.70	38.80	38.80	38.90
Short-Circuit Current -Isc(A)	15.70	16.44	17.18	17.93	18.50
Voltage at Pmax-Vmp(V)	31.70	31.60	31.60	31.60	31.50
Current at Pmax-Imp(A)	14.93	15.65	16.33	17.01	17.59

Packaging

	1722x1134x30mm
Container	40'HQ
Module per box	37
Module per 40' Container	962

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℃

Specifications are subject to change without prior notice!

www.honorsolar.cn

sales@honorsolar.cn

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