



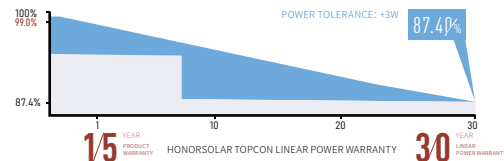
550^W - 585^W HY-M10 144G

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

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OFFICIAL WEBSITE AND



LEARN MORE ABOUT THE
PRODUCT DETAILS
OF PV MODULES



Half-cell TOPCon cells with
super multi-busbar technology



Excellent low-light power
generation performance



100% tested with a 30-year
guaranteed system operation



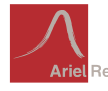
PID resistance



Enhanced mechanical
load capacity

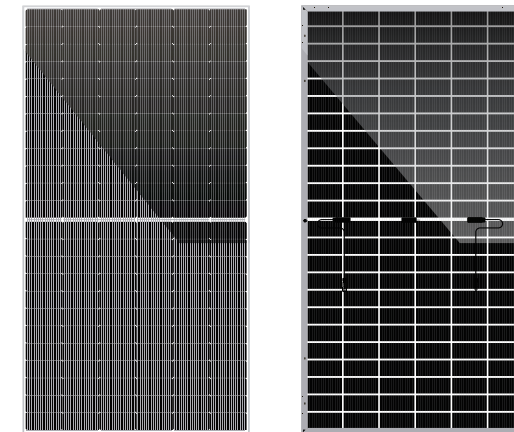
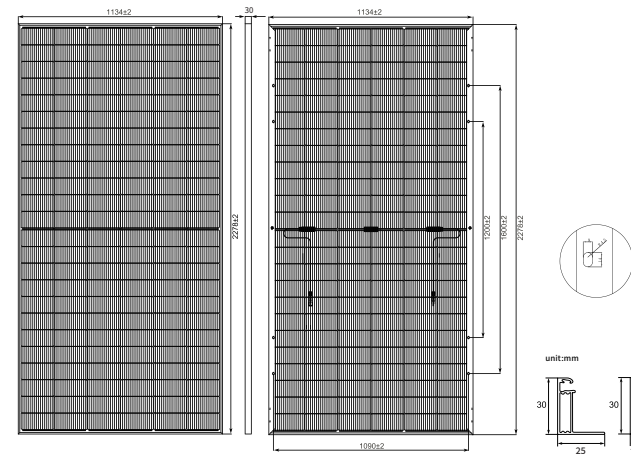


High conversion efficiency on
both sides



HY-M10/144G

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



Electrical Specification (STC/BSTC)

MODEL	HY-M10/144G-550		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	BSTC	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC
Power Output-Pmax(W)	550	602.4	555	607.8	560	613.2	565	618.6	570	624.0	575	629.4	580	634.8	585	640.2
Maximum Power Voltage-Vmp(V)	42.6	42.6	42.8	42.8	43	43	43.2	43.2	43.4	43.4	43.6	43.6	43.8	43.8	44	44
Maximum Power Current-Imp(A)	12.93	14.20	12.99	14.25	13.04	14.30	13.1	14.35	13.15	14.40	13.21	14.45	13.26	14.50	13.32	14.55
Open-Circuit Voltage-Voc(V)	50.97	50.97	51.17	51.17	51.37	51.37	51.57	51.57	51.77	51.77	51.97	51.97	52.17	52.17	52.37	52.37
Short-Circuit Current-Isc(A)	13.77	15.12	13.83	15.17	13.89	15.22	13.95	15.27	14.01	15.32	14.06	15.37	14.12	15.42	14.18	15.47
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)	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 *BSTC Testing Conditions: Front irradiation 1000W/m², Back reflection irradiation 135W/m², AM1.5, Ambient temperature 25°C

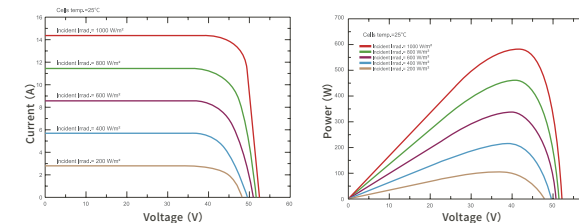
Structural Performance

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	silver
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

Temperature characteristics

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

Current-Voltage & Power-Voltage Curves



Packaging

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

Specifications are subject to change without prior notice!

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