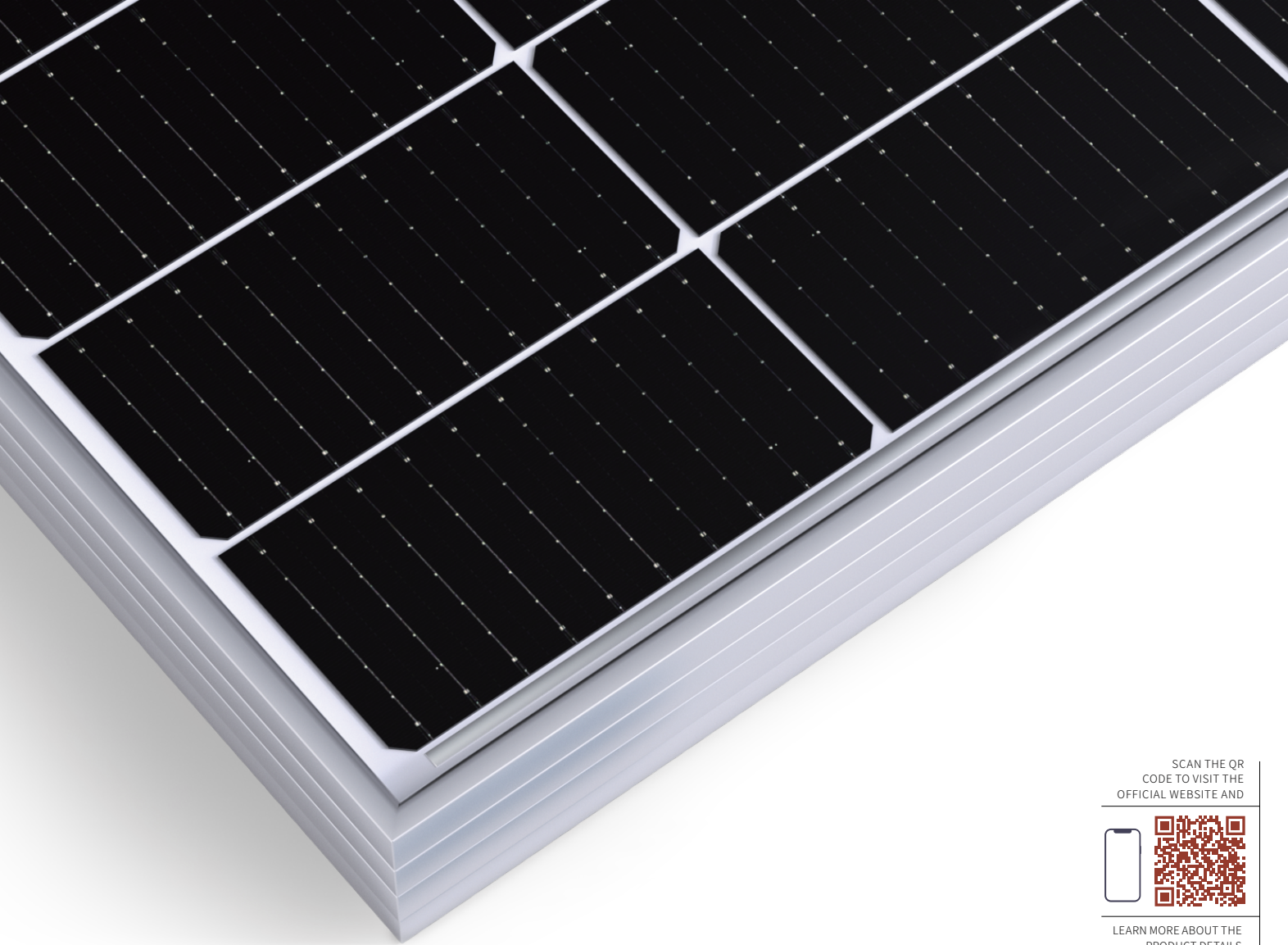




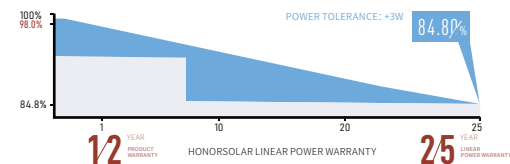
SCAN THE QR
CODE TO VISIT THE
OFFICIAL WEBSITE AND



LEARN MORE ABOUT THE
PRODUCT DETAILS
OF PV MODULES

485^W - 505^W HY-M12 100H

210 mm M BB 100 pcs | Mono-Crystalline Half-Cell Photovoltaic Module



TOPCon
Half-cell TOPCon cells with
super multi-busbar technology

Fire Resistance Class A

**Excellent low-light power
generation performance**

**Enhanced mechanical
load capacity**

**100% TEST
MES**
100% tested with a 25-year
guaranteed system operation

PID
PID resistance



HY-M12/100H

210 mm M BB 100 pcs Mono-Crystalline Half-Cell Photovoltaic Module

Electrical Specification (STC/NOCT)

MODEL	HY-M12/100H-485		HY-M12/100H-490		HY-M12/100H-495		HY-M12/100H-500		HY-M12/100H-505	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output-Pmax(W)	485	367	490	371	495	375	500	379	505	382
Maximum Power Voltage-Vmp(V)	28.2	26.2	28.4	26.4	28.6	26.6	28.8	26.8	29.0	27.0
Maximum Power Current-Imp(A)	17.19	14.01	17.25	14.05	17.31	14.09	17.36	14.14	17.42	14.17
Open-Circuit Voltage-Voc(V)	33.9	31.9	34.1	32.1	34.3	32.3	34.5	32.5	34.7	32.7
Short-Circuit Current-Isc(A)	18.31	14.74	18.39	14.81	18.47	14.88	18.55	14.95	18.63	15.01
Module Efficiency-ηm(%)	20.2	/	20.4	/	20.6	/	20.8	/	21.0	/
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	Mono-Crystalline 210mm (5x20pcs)
Dimensions of Module L*W*H	2185x1098x30mm
Weight	25kg
Glass	3.2mm Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cables	3 diodes , 4.0mm ² ,30cm
Mechanical Load	Front Side Max.5400Pa, Rear Side Max.2400Pa
Connector	MC Compatible

Temperature characteristics

Nominal Operating Cell Temperature (NOCT)	43±2°C
Temperature Coefficient of Pmax	-0.340%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.040%/°C
Operational Temperature	-40~+85°C

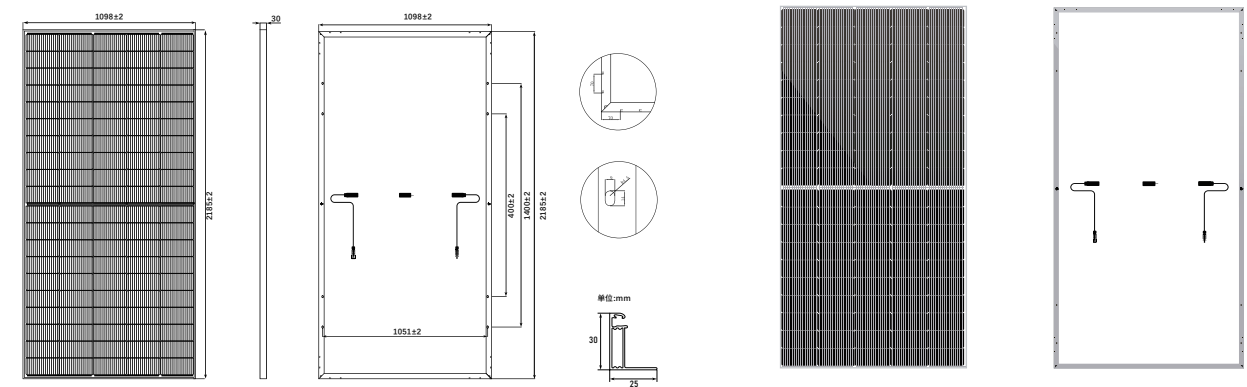
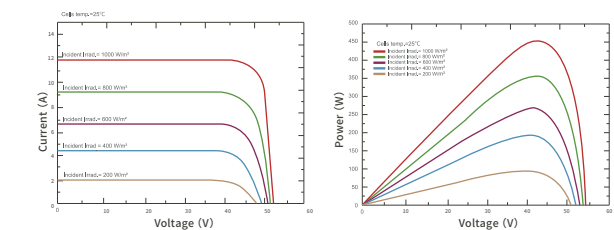
Packaging

	2185x1098x30mm
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.

Current-Voltage & Power-Voltage Curves



Specifications are subject to change without prior notice!

www.honorsolar.cn

sales@honorsolar.cn

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