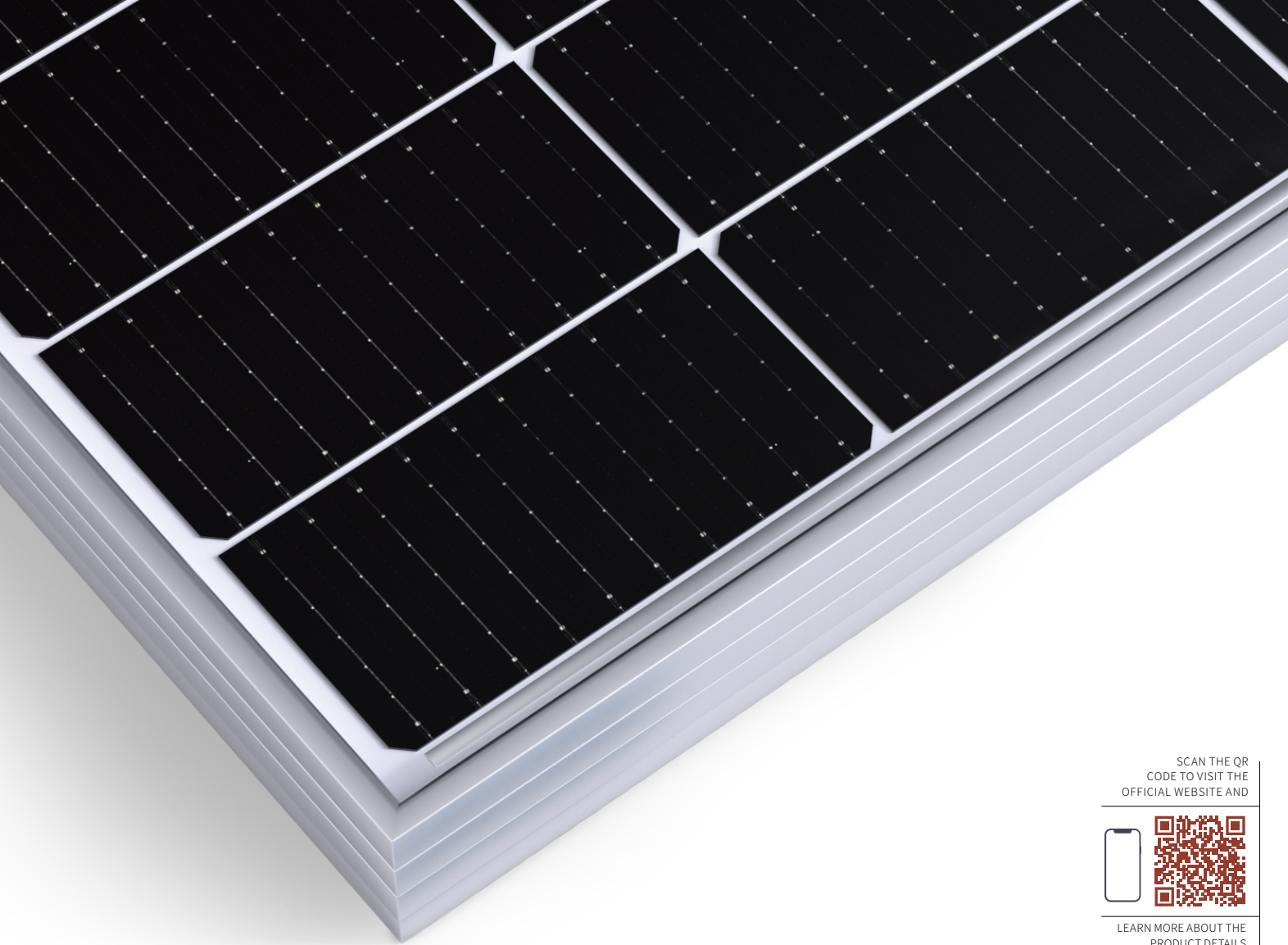




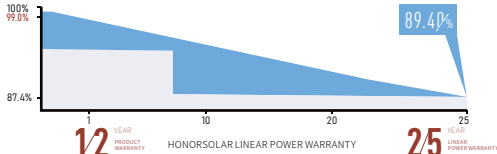
SCAN THE QR
CODE TO VISIT THE
OFFICIAL WEBSITE AND



LEARN MORE ABOUT THE
PRODUCT DETAILS
OF PV MODULES

440^W - 460^W HY-P10 156H

166 mm 9 BB 156 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-P10/156H
166 mm 9 BB 156 pcs Mono-Crystalline Half-Cell Photovoltaic Module

Electrical Specification (STC/NOCT)

MODEL	HY440-P10/156H		HY445-P10/156H		HY450-P10/156H		HY455-P10/156H		HY460-P10/156H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output-Pmax(W)	440	332	445	336	450	340	455	344	460	348
Maximum Power Voltage-Vmp(V)	41.93	40.37	42.23	40.68	42.53	40.99	42.83	41.3	43.13	41.61
Maximum Power Current-Imp(A)	10.47	8.22	10.52	8.26	10.57	8.29	10.62	8.33	10.67	8.37
Open-Circuit Voltage-Voc(V)	51.03	48.41	51.33	48.63	51.63	48.89	51.93	49.15	52.23	49.41
Short-Circuit Current-Isc(A)	11.06	8.77	11.11	8.81	11.16	8.85	11.21	8.89	11.26	8.93
Module Efficiency-ηm(%)	18.7	/	18.9	/	19.1	/	19.4	/	19.6	/
Power Tolerance(W)	(0,+5W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Max Series Fuse Rating(A)	20A									
*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			

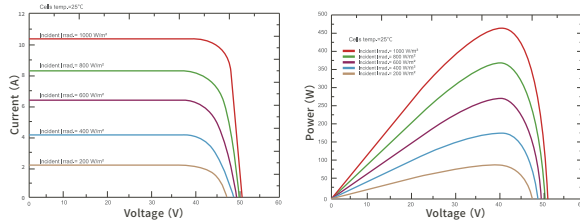
Structural Performance

Cell Arrangement	Mono-Crystalline 166mm (12x13pcs)
Dimensions of Module L*W*H	2264x1038x30mm
Weight	25.5kg
Glass	3.2mm Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cables	3 diodes , 4.0mm',30cm, length can be customized
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

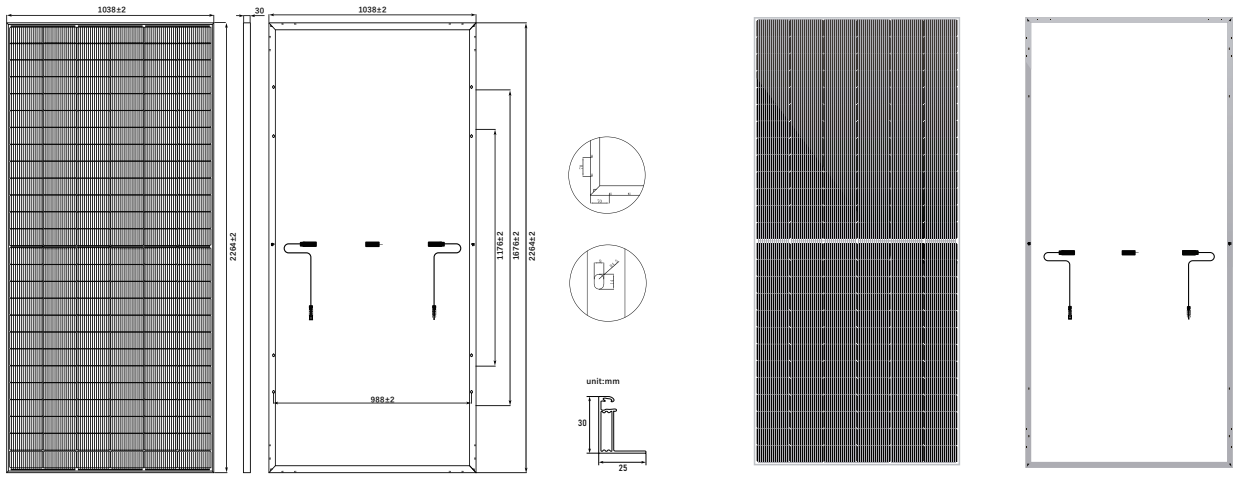
Current-Voltage & Power-Voltage Curves



Packaging

	2264x1038x30mm
Container	40'HQ
Module per box	36
Module per 40' Container	780

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



Specifications are subject to change without prior notice!
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