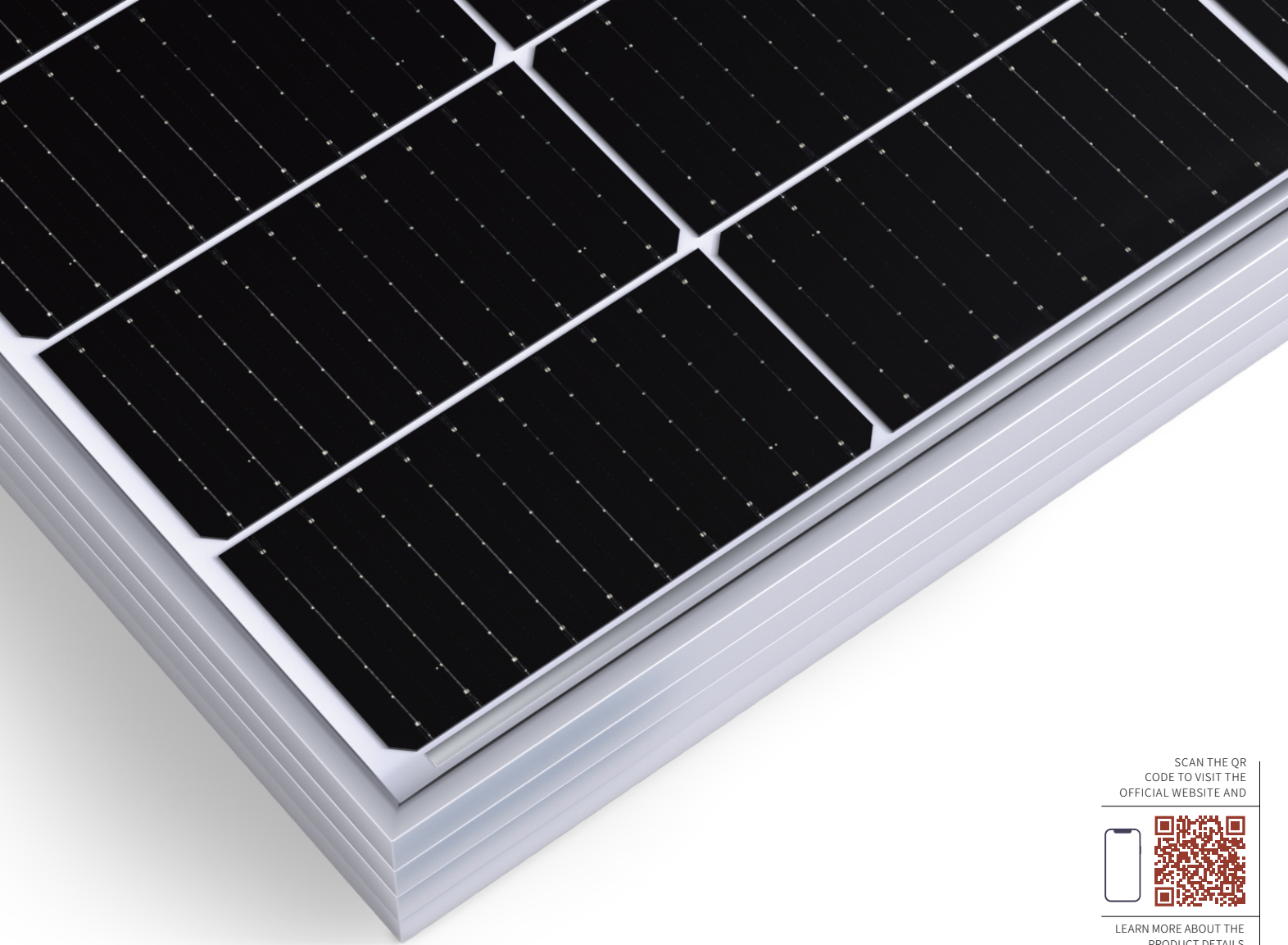




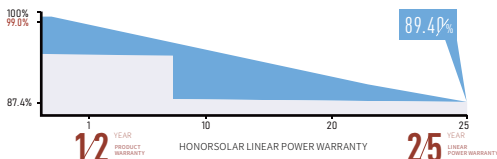
SCAN THE QR
CODE TO VISIT THE
OFFICIAL WEBSITE AND



LEARN MORE ABOUT THE
PRODUCT DETAILS
OF PV MODULES

430^W - 450^W HY-M6 144H

166 mm 9 BB 144 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-M6/144H

166 mm 9 BB 144 pcs Mono-Crystalline Half-Cell Photovoltaic Module

Electrical Specification (STC/NOCT)

MODEL	HY430-M6/144H		HY435-M6/144H		HY440-M6/144H		HY445-M6/144H		HY450-M6/144H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output-Pmax(W)	430	318.5	435	322.28	440	326.08	445	329.78	450	333.48
Maximum Power Voltage-Vmp(V)	40.72	37.50	41.08	37.70	41.40	37.90	41.75	38.10	42.10	38.30
Maximum Power Current-Imp(A)	10.56	8.50	10.59	8.56	10.63	8.61	10.66	8.66	10.69	8.71
Open-Circuit Voltage-Voc(V)	48.69	45.90	48.99	46.10	49.25	46.30	49.55	46.50	49.84	46.70
Short-Circuit Current-Isc(A)	11.07	9.02	11.10	9.08	11.14	9.13	11.17	9.20	11.20	9.26
Module Efficiency-ηm(%)	19.4	/	19.7	/	19.9	/	20.1	/	20.4	/
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			

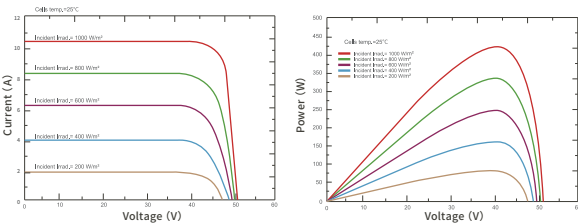
Structural Performance

Cell Arrangement	Mono-Crystalline 166mm (6x24pcs)
Dimensions of Module L*W*H	2094x1038x35mm
Weight	24.3kg
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)	44±2℃
Temperature Coefficient of Pmax	-0.390%/℃
Temperature Coefficient of Voc	-0.300%/℃
Temperature Coefficient of Isc	+0.006%/℃
Operational Temperature	-40~+85℃

Current-Voltage & Power-Voltage Curves



Packaging

	2094x1038x35mm
Container	40'HQ
Module per box	31
Module per 40' Container	682

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

