



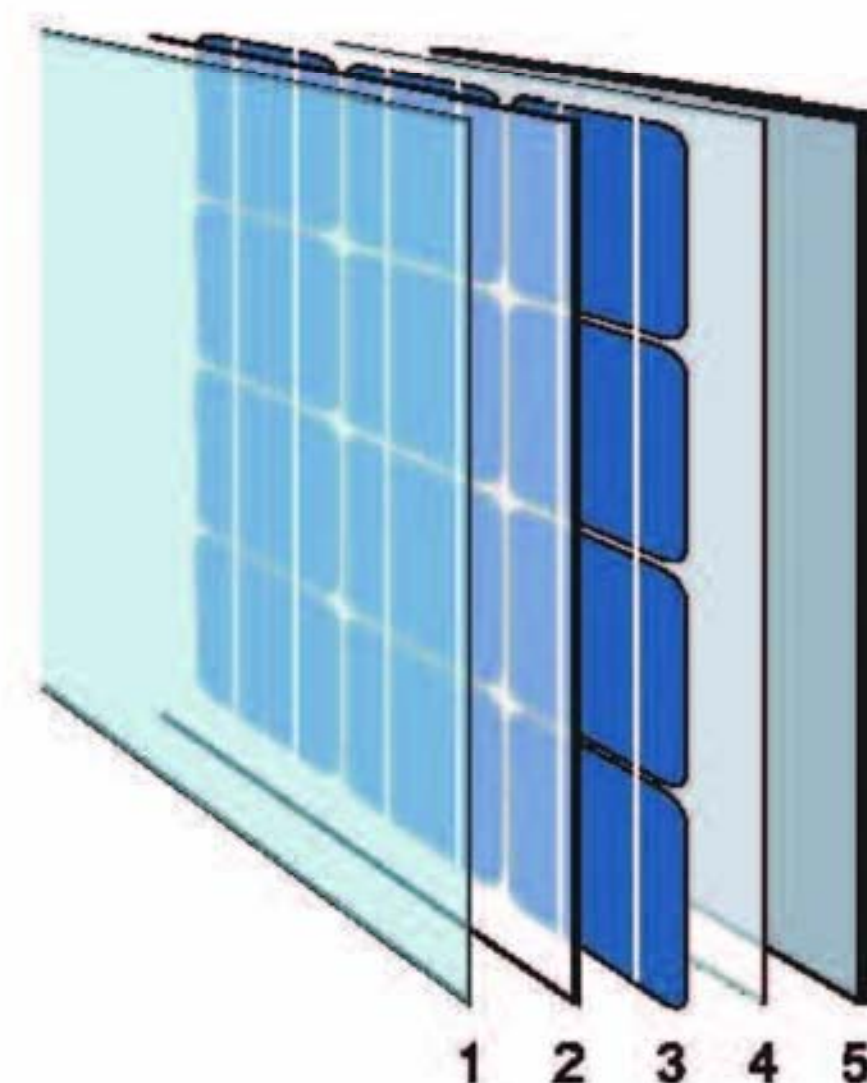
HU'NAN GREEN POWER
CO., LTD.
www.chn-green.com

HNGR-XXXM72 (XXX=150-200W)

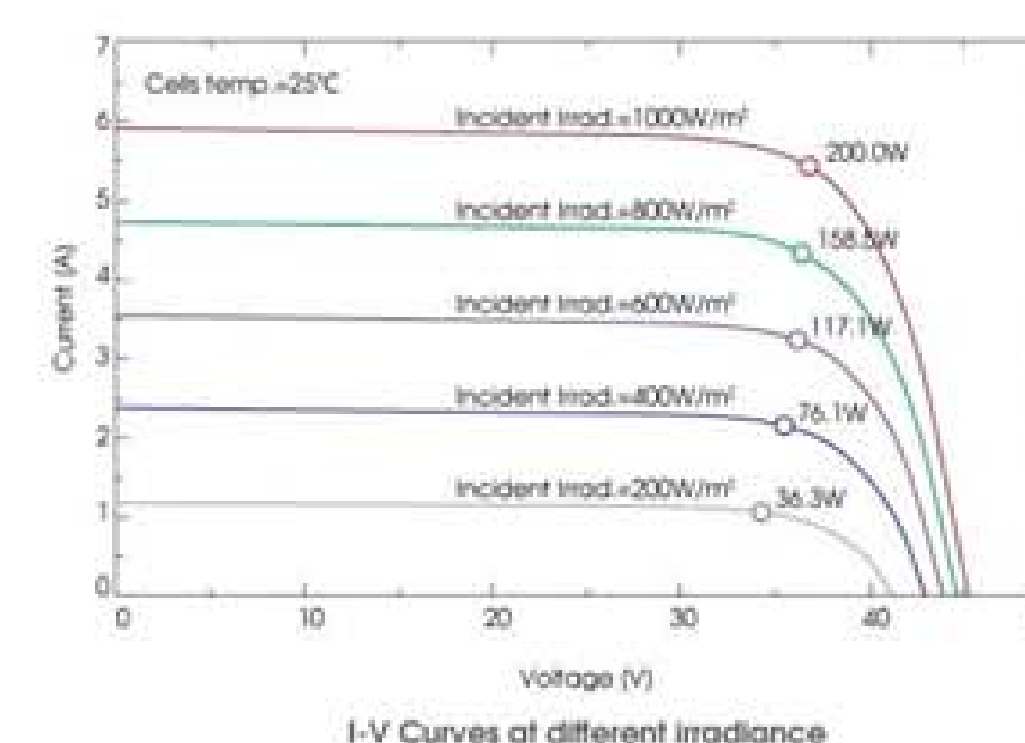
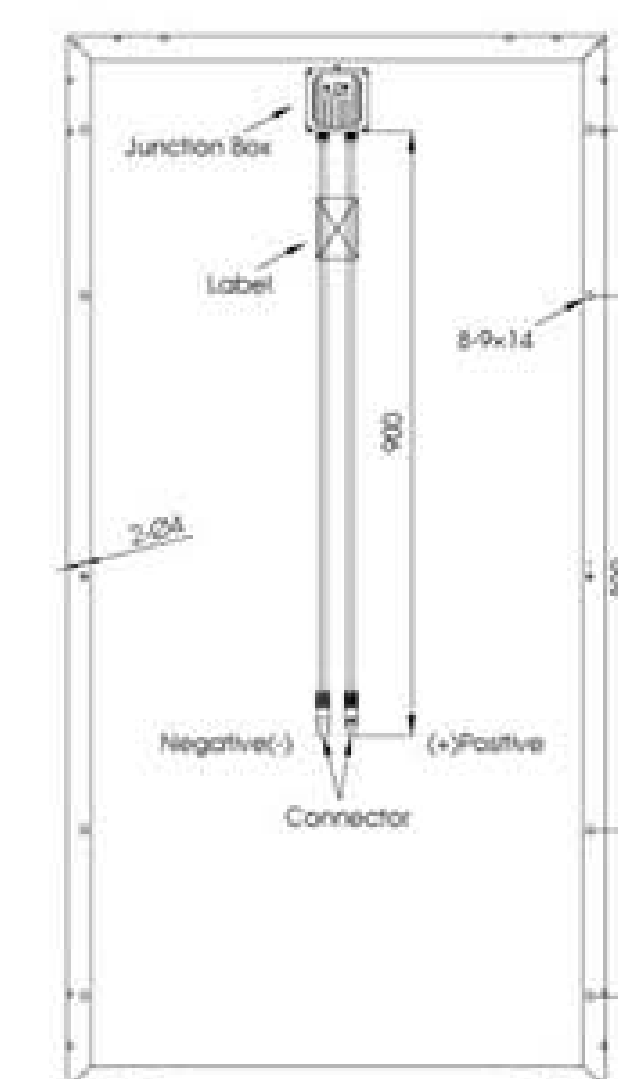
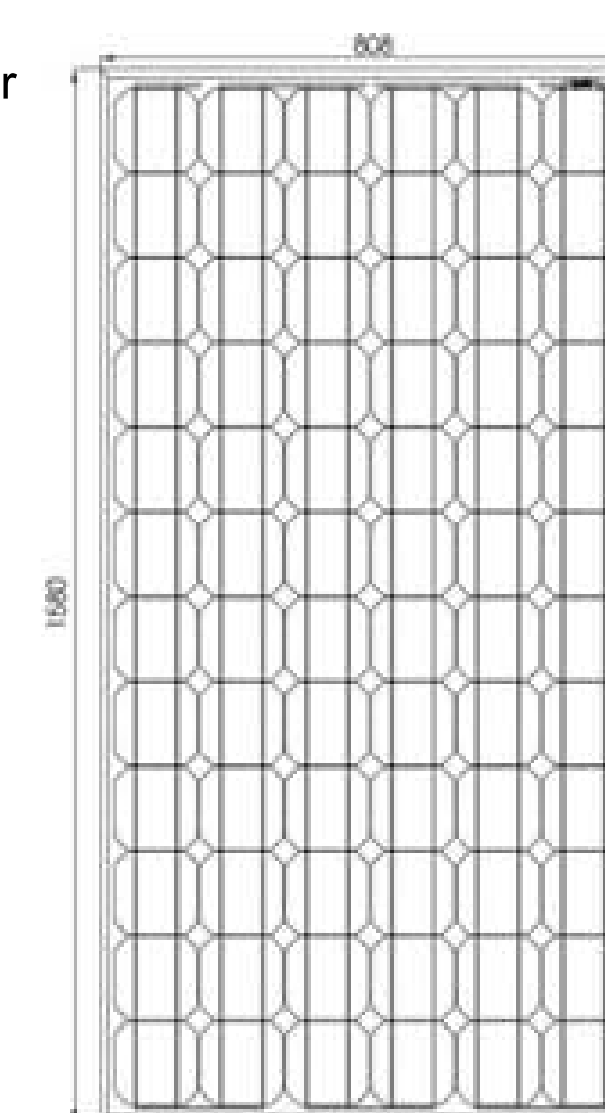


We provide 25-year limited warranty on 80% power output, 5-year limited warranty on materials and workmanship.

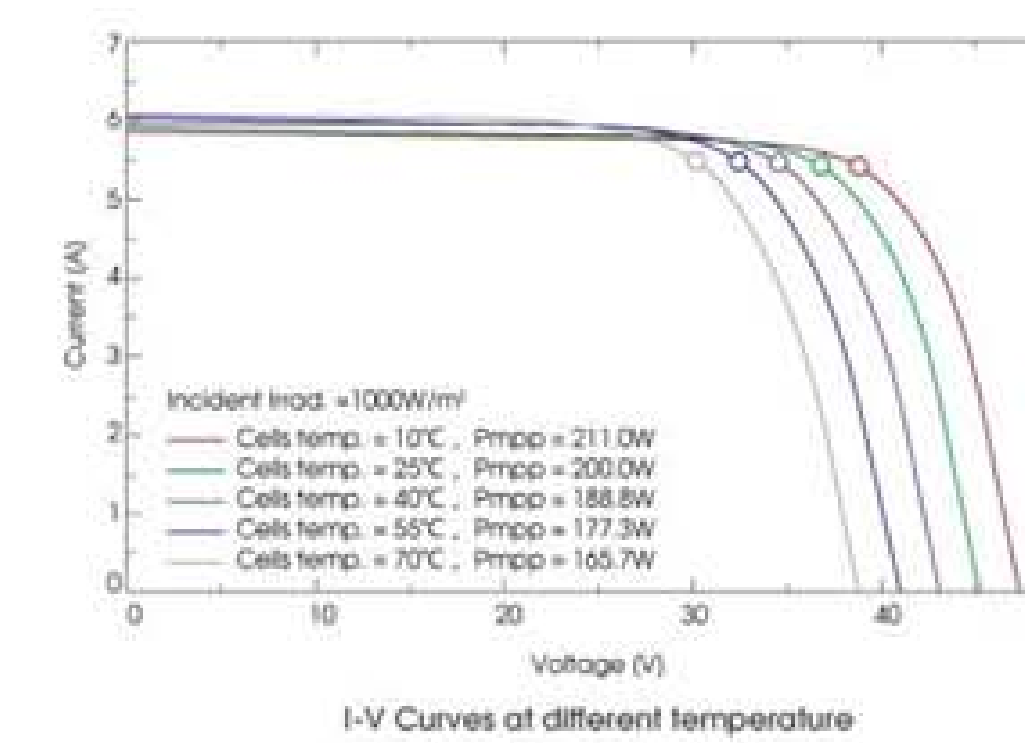
If you have any doubt, please don't hesitate to contact us at peter.yang@chn-green.com



- 1 Tempered glass
- 2 EVA
- 3 Cells
- 4 EVA
- 5 Triple-layer back sheet



I-V Curves at different irradiance



I-V Curves at different temperature

Specifications

Model type	HNGR-200M72	HNGR-195M72	HNGR-190M72	HNGR-185M72	HNGR-180M72	HNGR-175M72	HNGR-170M72	HNGR-165M72	HNGR-160M72	HNGR-155M72	HNGR-150M72
Peak power (Pmax)	200W	195W	190W	185W	180W	175W	170W	165W	160W	155W	150W
Maximu power voltage (Vmp)	37.77V	37.62V	37.44V	37.08V	36.72V	36.26V	35.93V	35.64V	34.77V	34.41V	34.00V
Maximu power current (Imp)	5.29A	5.18A	5.08A	4.99A	4.91A	4.83A	4.73A	4.63A	4.60A	4.50A	4.42A
Open circuit voltage (Voc)	45.25V	45.07V	44.86V	44.66V	44.46V	44.35V	44.20V	43.92V	43.20V	42.90V	42.30V
Short circuitcurrent (Isc)	5.92A	5.80A	5.68A	5.64A	5.54A	5.54A	5.35A	5.23A	5.20A	5.09A	4.99A
Cell efficiency	18.3%-165	17.8%-165	17.3%-165	17.6%-150	17.1%-150	16.6%-150	16.2%-150	15.7%-150	15.2%-150	14.7%-150	14.3%-150
Maximu system voltage	DC 1000V				DC 1000V				DC 1000V		
Temp.Coeff.of Isc (TK Isc)	0.037%/°C				0.037%/°C				0.037%/°C		
Temp.Coeff.of Voc (TK Voc)	-0.34%/°C				-0.34%/°C				-0.34%/°C		
Temp.Coeff.of Pmax (TK Pmax)	-0.48%/°C				-0.48%/°C				-0.48%/°C		
Normal Operting Cell Temperature	45±2°C				45±2°C				45±2°C		
Tolerance	±3%				±3%				±3%		
Cell type	Mono Crystalline Silicon , 125mm×125mm				Mono Crystalline Silicon , 125mm×125mm				Mono Crystalline Silicon , 125mm×125mm		
Number of cells	72 cells in series				72 cells in series				72 cells in series		
Wei ghe	15.5kg				15.5kg				15.5kg		
Dimensions	1580×808×35mm (62.20×31.81×1.38 inch)				1580×808×35mm (62.20×31.81×1.38 inch)				1580×808×35mm (62.20×31.81×1.38 inch)		
Packing	20GP: 412P 40GP: 840P 40HQ: 924P				20GP: 412P 40GP: 840P 40HQ: 924P				20GP: 412P 40GP: 840P 40HQ: 924P		
Warranty	25 year limited power warranty, 10 year limited power warranty				25 year limited power warranty, 10 year limited power warranty				25 year limited power warranty, 10 year limited power warranty		

STC Irradiance 1000W/m², Temperature 25°C, AM=1.5