



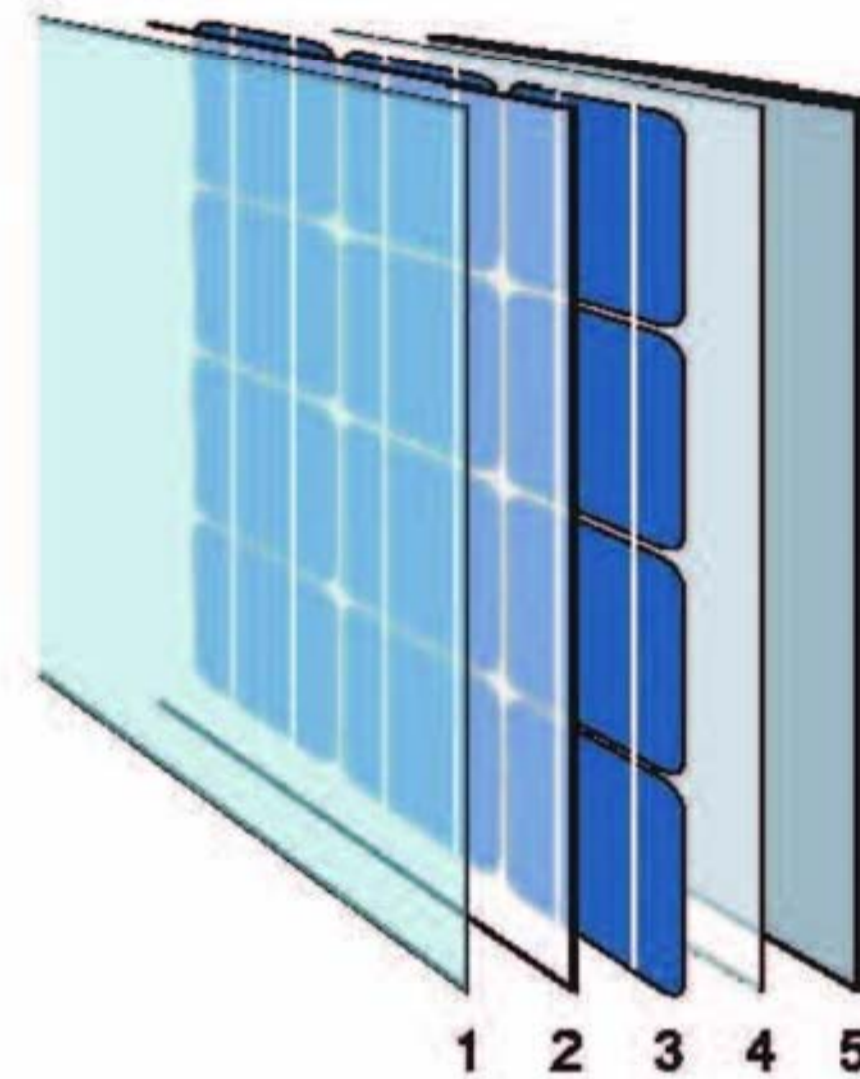
HU'NAN GREEN POWER
CO., LTD.
www.chn-green.com

HNGR-XXXM60 (XXX=210-255W)

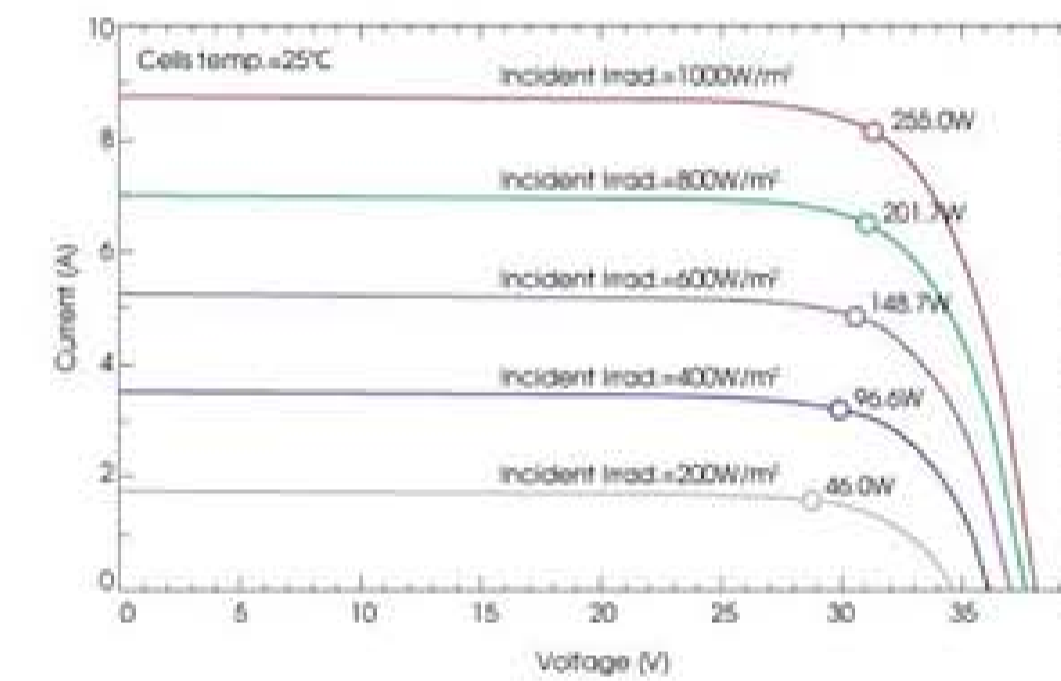
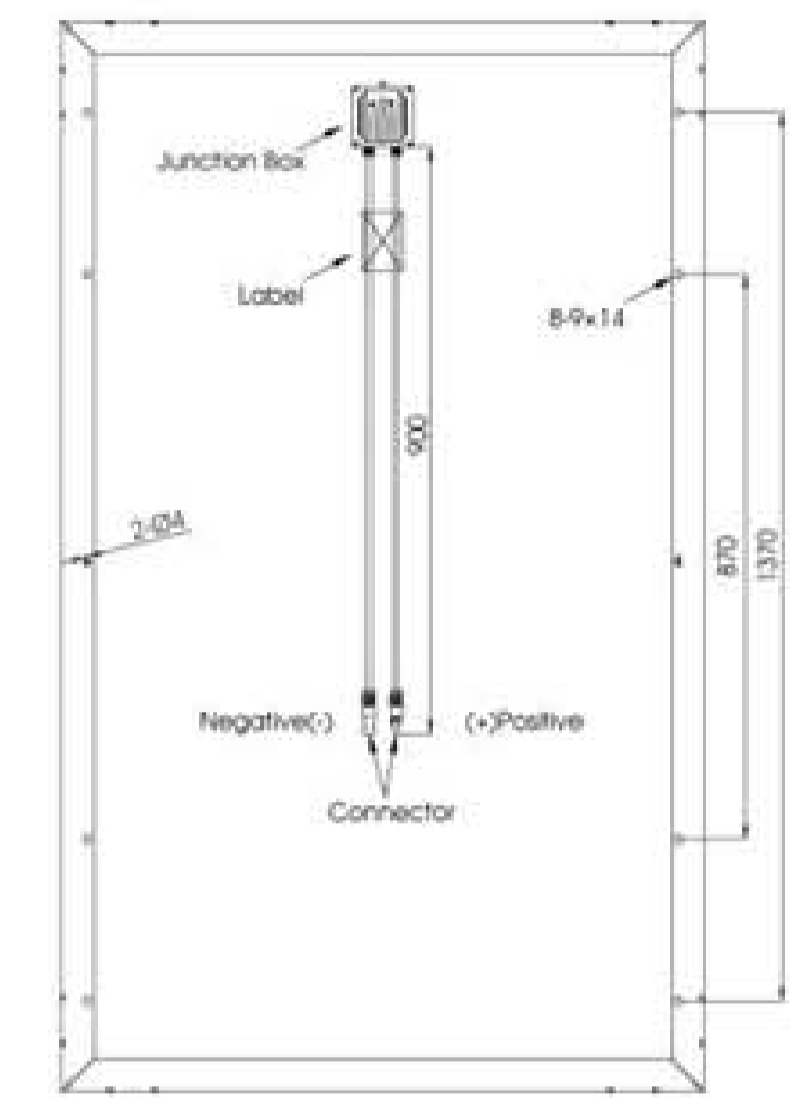
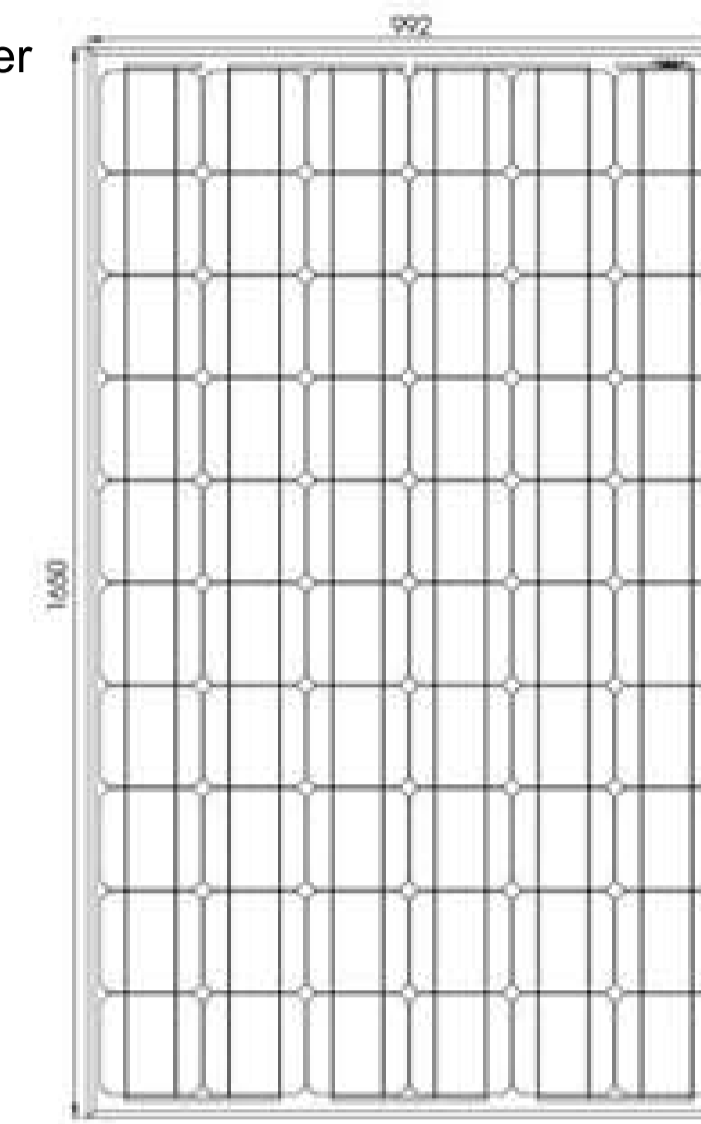


We provide **25-year** limited warranty on **80%** power output, **5-year** limited warranty on materials and workmanship.

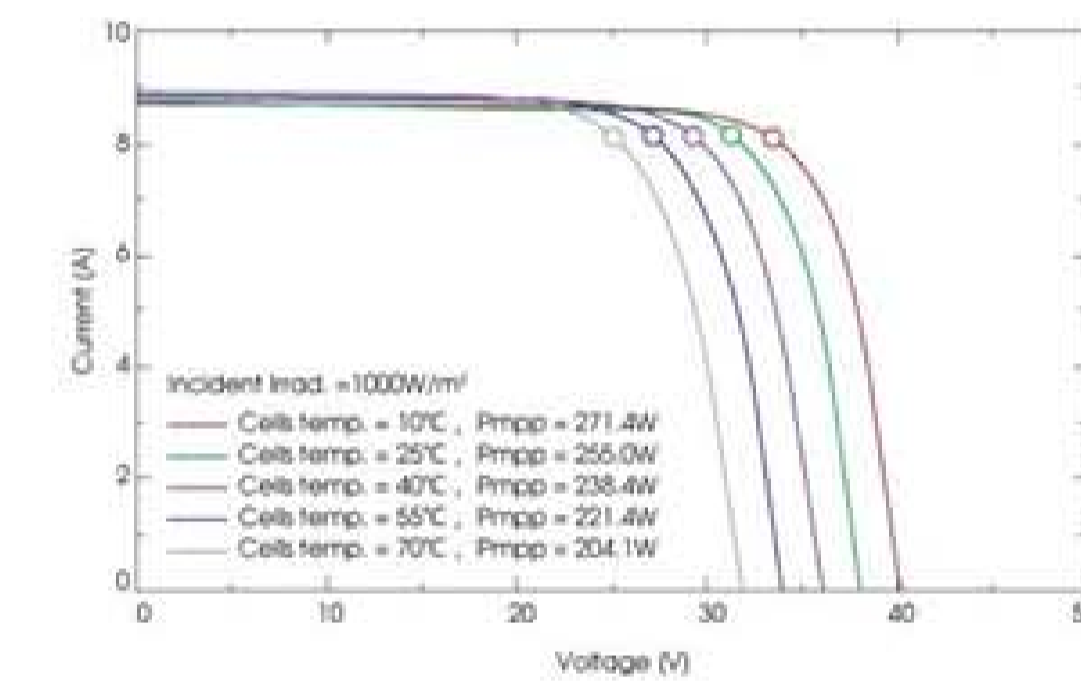
If you have any doubt, please don't hesitate to contact us at peter.yang@chn-green.com



- 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-255M60	HNGR-250M60	HNGR-245M60	HNGR-240M60	HNGR-235P60	HNGR-230M60	HNGR-225M60	HNGR-220M60	HNGR-215M60	HNGR-210M60
Peak power (Pmax)	255W	250W	245W	240W	235W	230W	225W	220W	215W	210W
Maximu power voltage (Vmp)	31.10V	30.96V	30.76V	30.56V	30.36V	30.13V	29.95V	29.77V	29.58V	29.30V
Maximu power current (Imp)	8.20A	8.07A	7.96A	7.85A	7.74A	7.63A	7.51A	7.39A	7.27A	7.17A
Open circuit voltage (Voc)	38.10V	37.92V	37.74V	37.49V	37.19V	36.90V	36.68V	36.46V	36.23V	35.89V
Short circuitcurrent (Isc)	8.76A	8.62V	8.58A	8.54A	8.49A	8.37A	8.24A	8.10A	7.97A	7.86A
Cell efficiency	18.30%	17.90%	17.60%	17.20%	16.80%	16.50%	16.10%	15.80%	15.40%	15.00%
Maximu system voltage		DC 1000V					DC 1000V			
Temp.Coeff.of Isc (TK Isc)		0.037%/°C					0.037%/°C			
Temp.Coeff.of Voc (TK Voc)		-0.34%/°C					-0.34%/°C			
Temp.Coeff.of Pmax (TK Pmax)		-0.48%/°C					-0.48%/°C			
Normal Operitng Cell Temperature		45±2°C					45±2°C			
Tolerance		±3%					±3%			
Cell type		Mono Crystalline Silicon , 156mmx156mm					Mono Crystalline Silicon , 156mmx156mm			
Number of cells		60 cells in series					60 cells in series			
Weighe		21kg					21kg			
Dimensions:		1650x992x50mm (77.01x39.06x1.97 inch)					1650x992x50mm (77.01x39.06x1.97 Inch)			
Packing		20GP: 228P	40GP: 494P	40HQ: 559P		20GP: 228P	40GP: 494P	40HQ: 559P		
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