

HIGNON WHITE

HG-72HC8 450-470Wp

MONOFACIAL
HALF CELL PERC



More energy yield over the same area even on cloudy or hot days



Regional value creation, made without lead and produced using 100% renewable energy.



Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free



Optimized system performance due to module level current sorting



Highly transparent self-cleaning glass brings additional yield and easy maintenance



Sand blowing test, salt mist test and ammonia test passed to endure harsh environments

Higon Reliable Quality

- World-class manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO 9001, ISO 14001 and ISO 45001
- Long term reliability tests
- 3X100% EL inspection ensuring defect-free modules



THE IDEAL SOLUTION FOR:



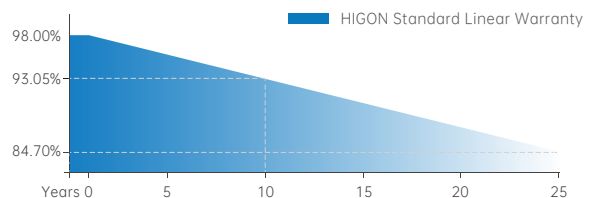
Commercial Rooftop
Residential Rooftop



Ground-mounted
solar plants

Performance Warranty

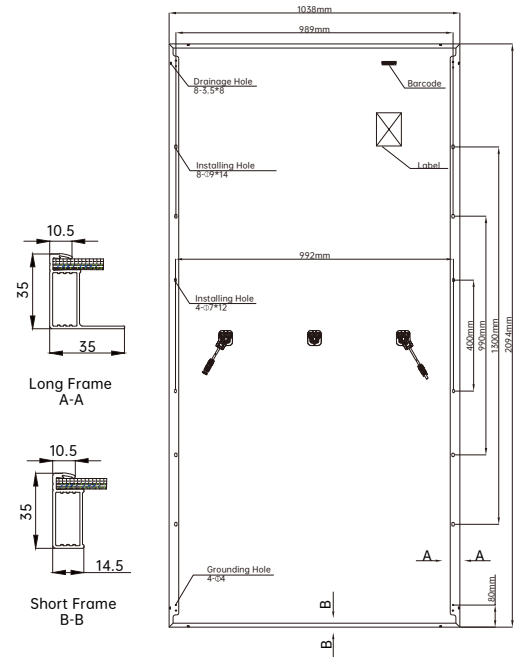
- 15 Years Product Warranty
- 25 Years Linear Power Warranty
- 2% Degradation in 1st year
- 5.5% Annual Degradation Over 25 Years



HIGON WHITE HGXXX-72HC8(XXX=450-470Wp)

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 166mm
No. of Cells	144 (6×24)
Dimensions	2094×1038×35mm
Weight	23.3 kg
Front Glass	High transparency solar glass 3.2mm
Cable	4.0mm ² , 300mm
Junction Box	IP68 rated(3 bypass diodes)
Connector	MC Compatible
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	20A
Wind/ Snow Load	2400Pa/ 5400Pa



Electrical Characteristics

POWER CLASS	450		455		460		465		470	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax/W)	450	328.6	455	332.4	460	336.2	465	340.0	470	343.9
Operating Voltage(Vmp/V)	42.10	38.42	42.41	38.71	42.76	39.00	43.10	39.29	43.44	39.58
Operating Current(Imp/A)	10.69	8.55	10.73	8.59	10.76	8.62	10.79	8.65	10.82	8.69
Open-Circuit Voltage(Voc/V)	49.84	46.08	50.10	46.34	50.39	46.60	50.68	46.86	50.96	47.12
Short-Circuit Current(Isc/A)	11.34	9.17	11.37	9.19	11.40	9.22	11.43	9.25	11.47	9.27
Module Efficiency(%)	20.7		20.9		21.2		21.4		21.6	

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;

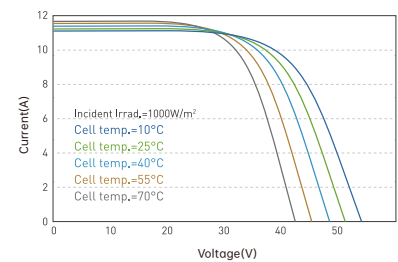
NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

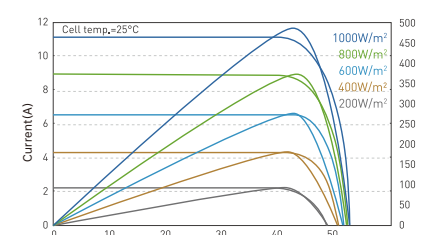
Nominal Module Operating Temperature (NMOT)	43 ± 2 °C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.05%/°C

Graphs

I-V Curve at different Temperature (470W)



I-V/P-V Curve at different Irradiation (470W)



Packing Configuration



Notice: All data and specifications are preliminary and subject to change without notice.

Contact Us for More Information

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TASTE THE SUN