

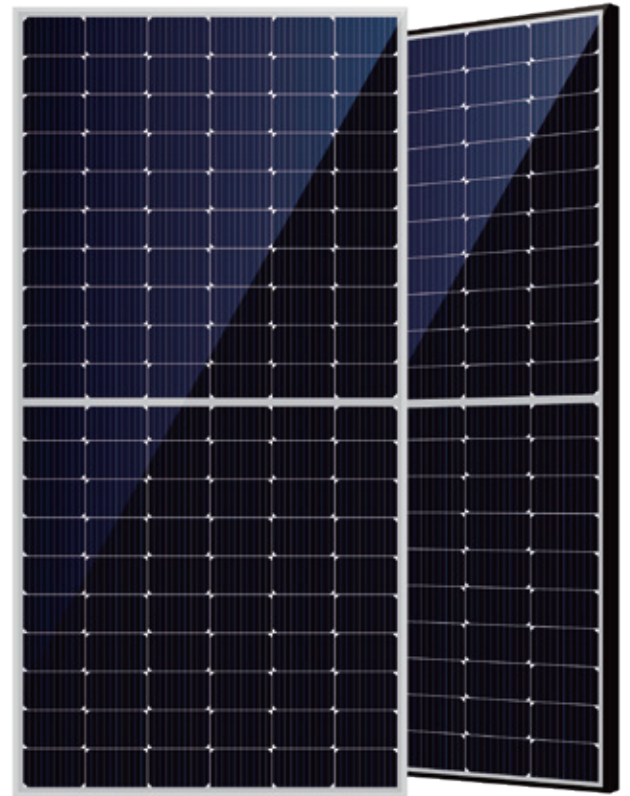
HEGA-Mo Series

166mm half cut cell technology

360-380W

20.8% MODULE EFFICIENCY **0~+5w** POSITIVE POWER TOLERANCE

TYPE: HGT-S120|M6H-XXX



380w

Max. Power Output



HIGH CUSTOMER VALUE

Lower LCOE (Levelized Cost Of Energy), reduced BOS (Balance Of System) cost, shorter payback time
Lower guaranteed first year and annual degradation
Designed for compatibility with existing mainstream system components
Higher return on Investment



HIGH RELIABILITY

Minimized micro-cracks with innovation non-destructive cutting technology ensured stability through cell process and module material control. Mechanical performance up to 5400 Pa positive load and 2400 Pa negative load.



HIGH ENERGY YIELD

Excellent IAM (Incident Angle Modifier) and low irradiation performance, validated by 3rd party certifications
The unique design provides optimized energy production under inter-row shading conditions



HIGH POWER UP TO 380W

Large area cells based on 166mm silicon wafers and half-cut cell technology
Up to 20.8% module efficiency with high density interconnect technology
Multi-busbar technology for better light trapping effect, lower series resistance and improved current collection

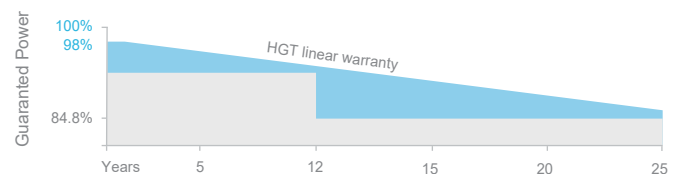
Materials and workmanship warranty
12
Years

-2.00%
First Year Power Degradation

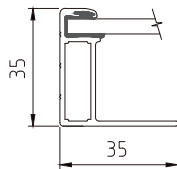
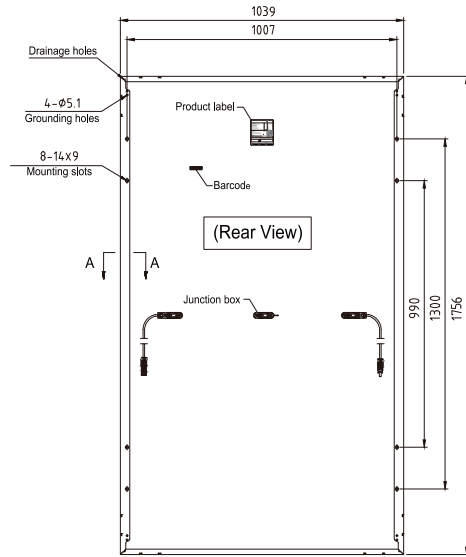
Linear power warranty
25
Years

-0.55%
Annual Degradation

PERFORMANCE WARRANTY

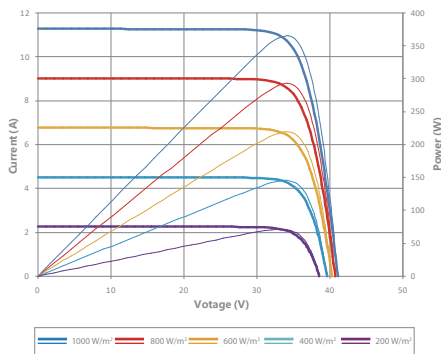


DIMENSIONS OF PV MODULE(mm)



A-A

Current-Voltage & Power-Voltage Curve (370W)



ELECTRICAL DATA (STC)

Parameter	360	365	370	375	380
Peak Power Watts- $P_{MAX}(Wp)^*$	360	365	370	375	380
Power Tolerance- $P_{MAX}(W)$	0 ~ +5				
Maximum Power Voltage- $V_{MPP}(V)$	33.9V	34.1V	34.3V	34.5V	34.7V
Maximum Power Current- $I_{MPP}(A)$	10.62A	10.71A	10.79A	10.87A	10.96A
Open Circuit Voltage- $V_{OC}(V)$	40.5V	40.7V	40.9V	41.1V	41.3V
Short Circuit Current- $I_{SC}(A)$	11.35A	11.42A	11.49A	11.56A	11.63A
Module Efficiency $\eta_m(\%)$	19.7%	20.0%	20.3%	20.6%	20.8%

STC: Irradiance 1000W/m², Module Temperature 25 °C , AM=1.5;
*Tolerance of Pmax is within ±3%.

ELECTRICAL DATA (NMOT)

Parameter	270.7	274.3	278.2	281.8	285.4
Maximum Power- $P_{MAX}(Wp)$	270.7	274.3	278.2	281.8	285.4
Maximum Power Voltage- $V_{MPP}(V)$	31.6V	31.8V	32.0V	32.2V	32.4V
Maximum Power Current- $I_{MPP}(A)$	8.56A	8.62A	8.69A	8.75A	8.81A
Open Circuit Voltage- $V_{OC}(V)$	38.4V	38.5V	38.7V	38.9V	39.1V
Short Circuit Current- $I_{SC}(A)$	9.04A	9.10A	9.17A	9.23A	9.29A

NMOT: Irradiance at 800W/m², Ambient Temperature 20 °C , AM=1.5, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline silicon 166 mm
No. of cells	120 cells (6 × 20)
Module Dimensions	1756 × 1039 × 35 mm
Weight	20 kg
Glass	3.2 mm, High Transmission, AR Coated fully tempered glass
Encapsulant Material	EVA
Backsheet	White
Frame	35mm Anodized Aluminium Alloy (silver/black)
J-Box	IP68 rated (3 bypass diodes)
Cables	4.0mm ² cable length +350mm/-350mm or customized length
Connector	FORSOL:SIKE6, Renhe:05-8, Renhe:05-9, Zerun:Z4S-abcde
Fire Safety Rate:	Class C

TEMPERATURE RATINGS

NMOT(Nominal Module Operating Temperature)	42 °C (±2 °C)
Temperature Coefficient of P_{MAX}	- 0.36%/ °C
Temperature Coefficient of V_{OC}	- 0.304%/ °C
Temperature Coefficient of I_{SC}	0.050%/ °C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

MAXIMUM RATINGS

Operational Temperature	-40~+85 °C
Maximum System Voltage	1500V/DC(IEC)
Max Series Fuse Rating	20A

WARRANTY

12 year Product Workmanship Warranty
25 year Liner Warranty
2% first year degradation
0.55% Annual Power Attenuation

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Pieces per pallet	31
Pallets per container	26
Pieces per container 40'HC	858
Packaging box dimensions	1795x1140x2460mm
Packaging box weight	655kg