

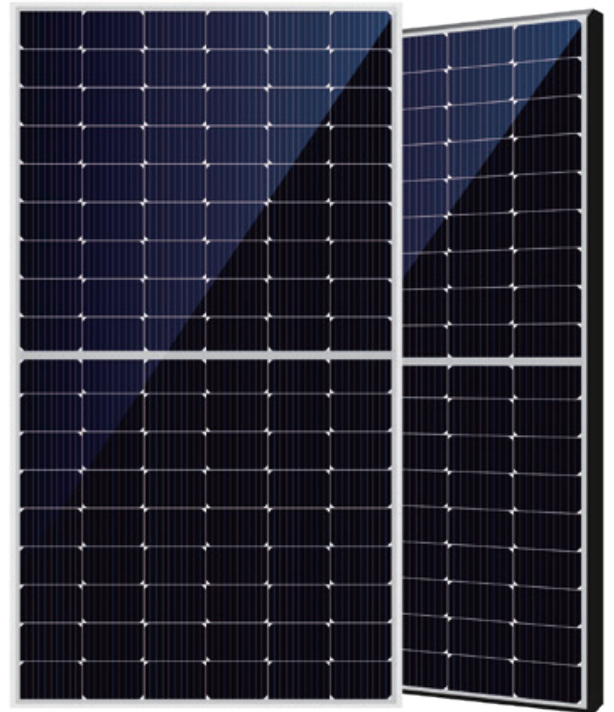
HEGA-Mo-BG Series

182mm bifacial dual glass half cut cell technology

390-410W

21.0% MODULE EFFICIENCY **0~+5w** POSITIVE POWER TOLERANCE

TYPE: HGT-S108|M10H-XXX-BG



410w

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



HIGH RELIABILITY

- Minimized micro-cracks with innovation non-destructive cutting technology ensured PID resistance 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 410W

- Large area cells based on 182mm silicon wafers and half-cut cell technology
- Up to 21.0% module efficiency with high density interconnect technology
- Multi-busbar technology for better light trapping effect, lower series resistance and improved current collection

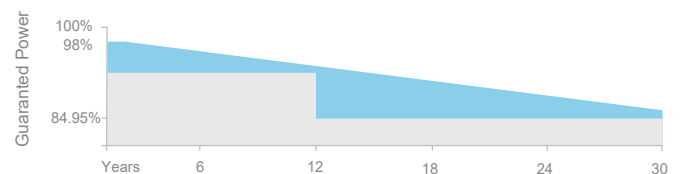
Materials and workmanship warranty
12
Years

2.00%
First Year Power Degradation

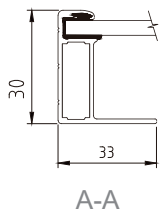
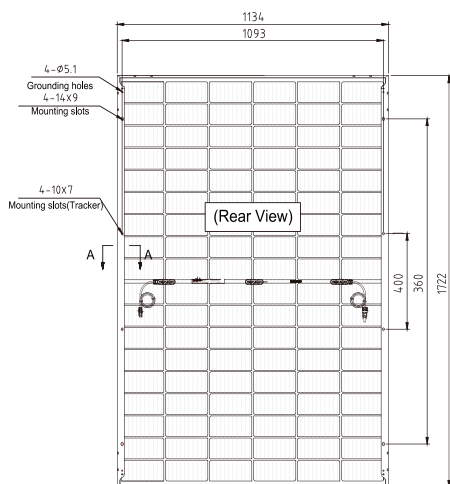
Linear power warranty
30
Years

0.45%
Annual Degradation

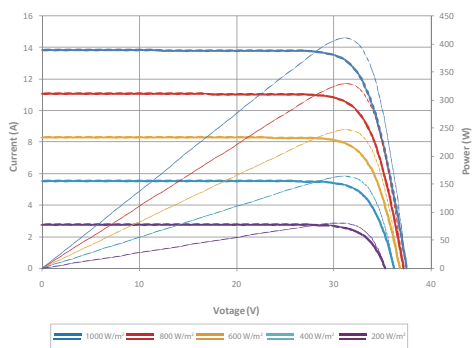
PERFORMANCE WARRANTY



DIMENSIONS OF PV MODULE(mm)



Current-Voltage & Power-Voltage Curve(410W)



ELECTRICAL DATA (STC)

Maximum Power (Pmax)	395W	400W	405W	410W
Power Tolerance-PMAX(W)	0 ~ +5W			
Maximum Power Voltage (Vmp)	31.0V	31.2V	31.4V	31.6V
Maximum Power Current (Imp)	12.76A	12.83A	12.91A	12.98A
Open Circuit Voltage (Voc)	36.9V	37.1V	37.3V	37.5V
Short Circuit Current (Isc)	13.66A	13.73A	13.81A	13.88A
Module Efficiency η_m (%)	20.2%	20.5%	20.7%	21.0%

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

ELECTRICAL DATA (NMOT)

Maximum Power (Pmax)	291W	295W	298W	302W
Maximum Power Voltage (Vmp)	28.58V	28.78V	28.98V	29.18V
Maximum Power Current (Imp)	10.22A	10.25A	10.28A	10.35A
Open Circuit Voltage (Voc)	38.29V	34.49V	34.69V	34.89V
Short Circuit Current (Isc)	10.65A	11.70A	10.75A	10.80A

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

ELECTRICAL DATA (AT 10% BIFACIAL POWER OUTPUT)

Maximum Power (Pmax)	434.5W	440W	445.5W	451W
Maximum Power Voltage (Vmp)	31V	31.2V	31.4V	31.6V
Maximum Power Current (Imp)	14.04A	14.11A	14.20A	14.28A
Open Circuit Voltage (Voc)	36.9V	37.1V	37.3V	37.5V
Short Circuit Current (Isc)	15.03A	15.1A	15.19A	15.27A

*Rear side power gain: The additional gain from the rear side compared to the power of the front side at the STC. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

MECHANICAL DATA

Solar Cells	Monocrystalline silicon 182mm
No. of cells	108 cells (6x18)
Module Dimensions	1722 × 1134 × 30 mm
Weight	21 kg
Glass	2.0+2.0 mm, High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Frame	Anodized Aluminium Alloy (silver/black)
J-Box	IP 68 rated (3 bypass diodes)
Cables	4.0mm ² , cable length +350mm/-350mm or customized length
Connector	MC4 Compatible

TEMPERATURE RATINGS

NMOT(Nominal Operating Cell Temperature)	42 ± 2 °C
Temperature Coefficient of P _{MAX}	-0.36%/°C
Temperature Coefficient of V _{OC}	-0.28%/°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	25A

WARRANTY

12 year Product Workmanship Warranty
30 year Power Warranty
2% first year degradation
0.45% Annual Power Attenuation
((Please refer to product warranty for details))

PACKAGING CONFIGURATION

Pieces per pallet	36
Pallets per container	26
Pieces per container 40'HC	936
Packaging box dimensions	1770x1120x1270mm
Packaging box weight	795kg