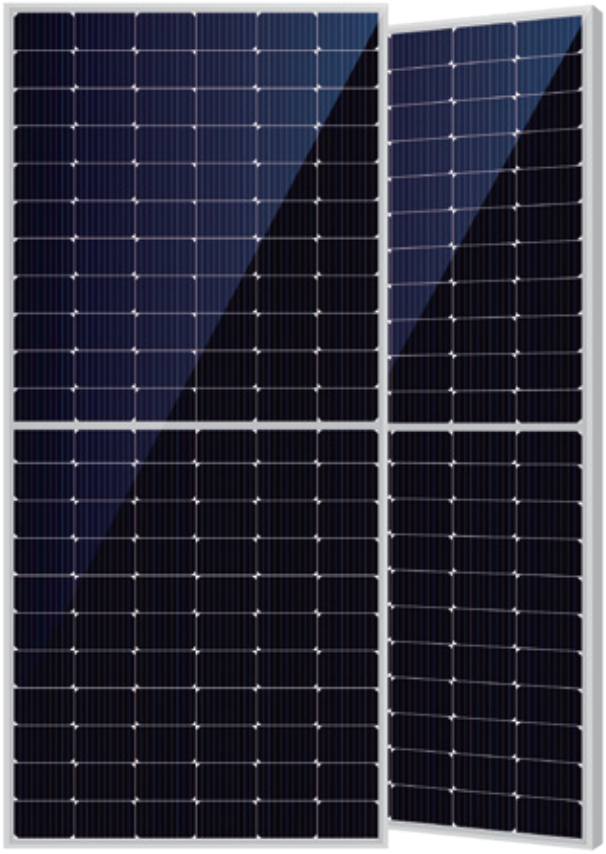
HEGATECH

HEGA-Mo Series

210mm half cut cell technology



650-670W

21.6% MODULE EFFICIENCY

0~+5w POSITIVE POWER TOLERANCE

TYPE:HGT-S132|M12H-XXX

670w

Max. Power Output

Materials and workmanship warranty **12 Years**

-2.00% First Year Power Degradation

Linear power warranty **25 Years**

- 0.55% Annual Degradation

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 processand module material control. Mechanical performance up to 5400 Pa positive load and 2400 Pa negative load.

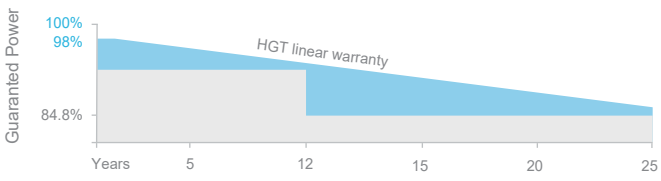
HIGH ENERGY YIELD

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 670W

Large area cells based on 210mm silicon wafers and half-cut cell technology
Up to 21.6% module efficiency with high density interconnect technology
Multi-busbar technology for better light trapping effect, lower series resistance and improved current collection

PERFORMANCE WARRANTY



HEGA-Mo 650-670W

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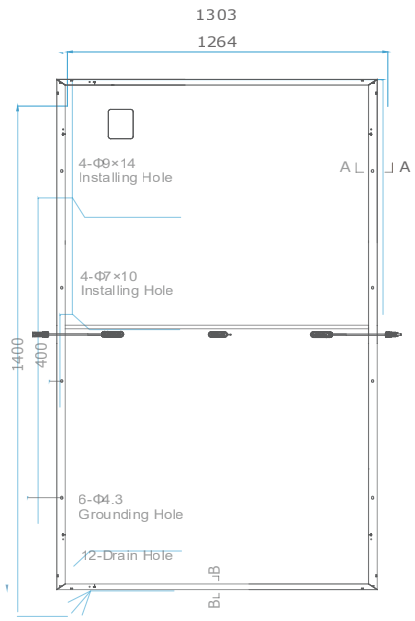
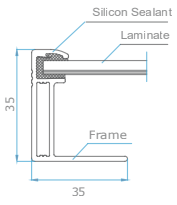
DIMENSIONS OF PV MODULE(mm)

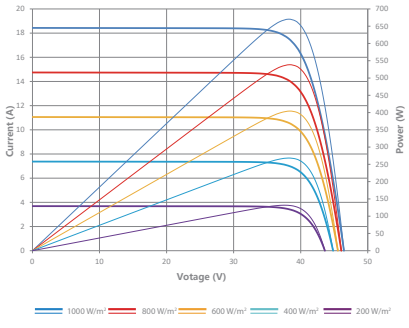


Back View



A-A

Current-Voltage & Power-Voltage Curve (670W)



ELECTRICAL DATA (STC)

Peak Power Watts-P_{MAX}(Wp)*	650	655	660	665	670
Power Tolerance-P_{MAX}(W)			0 ~ +5		
Maximum Power Voltage-V_{MPP}(V)	37.6V	37.8V	38.0V	38.2V	38.4V
Maximum Power Current-I-I_{MPP}(A)	17.29A	17.33A	17.37A	17.41A	17.45A
Open Circuit Voltage-V_{OC}(V)	45.0V	45.2V	45.4V	45.6V	45.8V
Short Circuit Current-I_{SC}(A)	18.23A	18.29A	18.35A	18.41A	18.46A
Module Efficiency η_m(%)	20.9%	21.1%	21.2%	21.4%	21.6%

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

ELECTRICAL DATA (NMOT)

Maximum Power-P_{MAX}(Wp)	491	495	499	503	507
Maximum Power Voltage-V_{MPP}(V)	34.86V	35.05V	35.24V	35.42V	35.61V
Maximum Power Current-I_{MPP}(A)	14.09A	14.13A	14.16A	14.19A	14.23A
Open Circuit Voltage-V_{OC}(V)	42.3V	42.48V	42.67V	42.86V	43.04V
Short Circuit Current-I_{SC}(A)	14.89A	14.93A	14.97A	15.01A	15.06A

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

MECHANICAL DATA

Solar Cells	Monocrystalline silicon 210 mm
No.of cells	132 cells (6x22)
Module Dimensions	2384x1303x35mm
Weight	33.9 kg
Glass	3.2 mm, High Transmission, AR Coated fully tempered glass
Encapsulant Material	EVA
Backsheet	White
Frame	35 mm Anodized Aluminium Alloy (silver/black)
J-Box	IP 68 rated
Cables	4.0mm² cable length +350mm/-350mm or customized length
Connector	FORSOL:SIKE6, Renhe:05-8, Renhe:05-9, Zerun:Z4S-abcde
FireSafty Rate:	Class C

TEMPERATURE RATINGS

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

MAXIMUM RATINGS

Operational Temperature	-40~+85℃
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	30A

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

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	18
Pieces per container 40'HC	558
Packaging box dimensions	2330x1130x1270mm
Packaging box weight	1200kg

HEGATECH NEW ENERGY

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MADE IN CHINA