昊格集团
HG GROUP

HG ENERGY

Light the Future

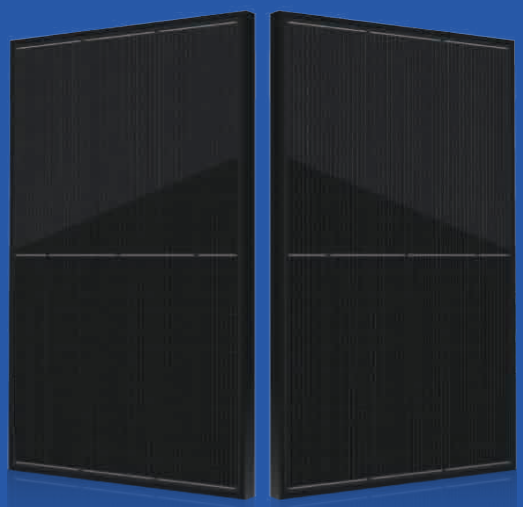
HG Home All Black Series

Power Output 54cells

390–410Wp

182mm Silicon wafer with Half-cut Tech
Multiple Mono Perc+ MBB Tech All In
To Improve Efficiency and Quality

Homes Rooftop Use



KEY FEATURES

- Competitive Low Light Performance
- Less power Loss by Minimizing the Shading Impact
- 3 Times EL Test to Ensure Best Quality
- 2400Pa Wind Load and 5400Pa Snow Load [6 Points Fixed].
- Outstanding Reliability Proven for Stringent Environment Condition: Sand, Acid, Salt, Hail stones
- Reducing costs and Increasing Returns are Important goals for Solar
- PID Resistance

2%

All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

5W

Positive tolerance 0/+5w guaranteed

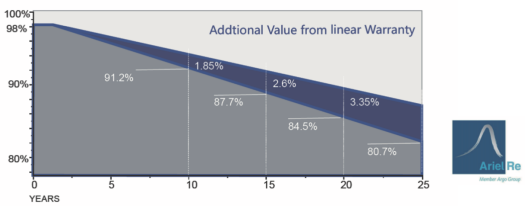
Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.

The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption

Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs

Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa)

WARRANTY



12/15 YEARS Guarantee on product material and work-manship

25 YEARS Linear power output warranty

QUALITY SYSTEM CERTIFICATES

ISO9001 | ISO14001 | OHSAS18001

Specific information is referred to the product quality guarantee

Comprehensive and first-rate certification system

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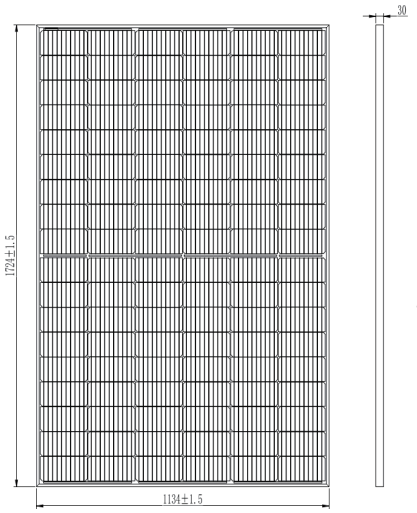
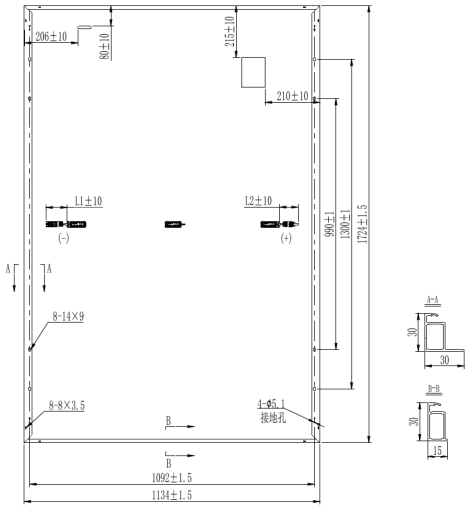
Electrical Characteristics

Module Type (HV)	HGG-390-BMD	HGG-395-BMD	HGG-400-BMD	HGG-405-BMD	HGG-410-BMD
	STC	STC	STC	STC	STC
Maximum Power P_{mp}	390W	395W	400W	405W	410W
Open Circuit Voltage-V_{oc}	36.62V	36.84V	37.04V	37.24V	37.45V
Short Circuit Current-I_{sc}	13.59A	13.66A	13.73A	13.81A	13.88A
Max Power Volatge-V_{mp}	30.76V	30.98V	31.18V	31.38V	31.59V
Max Power Current-I_{mp}	12.69A	12.76A	12.83A	12.91A	12.98A
Module Efficiency STC-η_m	19.9 %	20.2 %	20.5 %	20.7%	21.0 %
Power Tolerance(W)	(0, +5W)				
Maximum System Voltage	1000 / 1500V DC (IEC)				
Max Serise Fuse Rating	25A				

*STC:Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements





NMOT

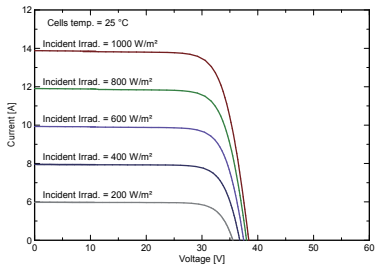
Module Type (HV)	HGG-390-BMD	HGG-395-BMD	HGG-400-BMD	HGG-405-BMD	HGG-410-BMD
	NOCT	NOCT	NOCT	NOCT	NOCT
Maximum Power P_{mp}	294.9W	298.6W	302.3W	306.0W	309.6W
Open Circuit Voltage-V_{oc}	35.2V	35.0V	34.8V	34.6V	34.4V
Short Circuit Current-I_{sc}	10.93A	10.98A	11.04A	11.10A	11.16A
Max Power Volatge-V_{mp}	28.4V	28.6V	28.8V	29.0V	29.2V
Max Power Current-I_{mp}	10.38A	10.44A	10.50A	10.56A	10.62A

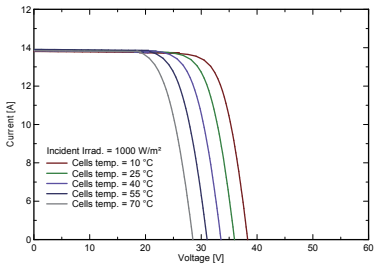
*NMOT: Irradiance 1000W/m², ambient temperature 25℃, wind speed 1m/s

Temperature characteristic

Pmax Temperature Coefficient	-0.35 %/℃
Voc Temperature Coefficient	-0.27 %/℃
Isc Temperature Coefficient	+0.05 %/℃
Operating Temperature	-40～+85 ℃
Nominal Operating Cell Temperature	45 ± 2 ℃

IV Curve





Mechanical Specifications

Extermal Dimension	1724*1134*30 mm
Weight	21.0kg
Solar Cell	Mono crystalline 182*91mm, 108 (6*18)
GLASS	3.2mm AR coating semi-temi-tempered glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP68, 3diodes, MC4 / MC4 Compatible
Output Cables	4.0mm²,250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400pa/Back side 2400pa
Packing Con☒guration	36pcs/box, 936pcs/40HQ Container

The module recycling should be carried out by the professional institutions at the the end of module life cycle

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