

HG-T Lightweight

Half the weight, easy to install

Efficient N-type TOPCON single glass lightweight component

560W-580W



• HG-T Lightweight Series

HG GROUP redefines high-efficient lightweight solar modules by integrating 182mm Topcon solar cells and half-cut technology. HG GROUP lightweight modules combine with innovative technology, which greatly improves module's efficiency and power output. Lightweight series with 2.0mm ultra-thin glass greatly also reduces module weight.

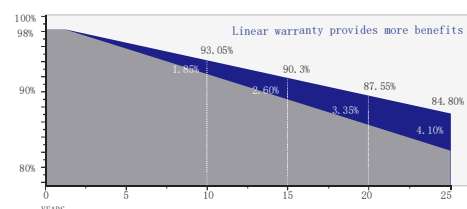
• Products Features

- Reducing the adaptive loss to get higher power.
- Reduce power loss by minimizing the effects of shading
- 60% lighter than traditional solar module
- Three EL tests ensure the best quality
- The reduction of BOS and the improvement of ROI are ideal choices for industrial and commercial projects.
- The superior reliability has been proven through rigorous weathering test:
 - Sand and dust resistance, acid and alkali-resistance, Hail test
 - A2400pa wind load and 5400pa snow load.
 - Anti-PID

• Quality System

ISO9001
ISO14001
ISO45001

• Product Warranty



Quality and process performance Assurance

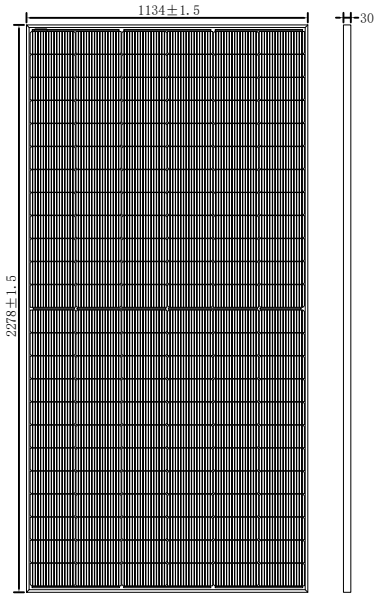


Liner power Output Warranty

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Website: www.hg-energy-group.cn

Electrical Parameters

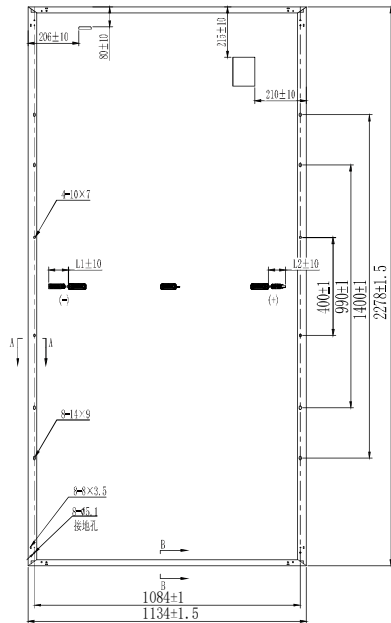


Module Type	HGT560-72CW		HGT565-72CW		HGT570-72CW		HGT575-72CW		HGT580-72CW	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power ($P_{m\max}$)	560W	422W	565W	425W	570W	430W	575W	433W	580W	437W
Open Circuit Voltage (V_{oc})	51.70V	49.11V	51.90V	49.30V	52.10V	49.49V	52.30V	49.68V	52.50V	49.87V
Short Circuit Current (I_{sc})	13.74A	11.05A	13.79A	11.11A	13.84A	11.16A	13.89A	11.21A	13.95A	11.26A
Max Power Voltage (V_{mp})	43.28V	40.23V	43.43V	40.39V	43.58V	40.56V	43.73V	40.73V	43.88V	40.89V
Max Power Current (I_{mp})	12.94A	10.49A	13.01A	10.54A	13.08A	10.59A	13.15A	10.64A	13.22A	10.69A
Module Efficiency STC (η_s)	21.7%		21.9%		22.1%		22.3%		22.5%	
Power Tolerance	0~+5W									
Maximum System Voltage	1500V DC									
Max Serise Fuse Rating	25A									

STC: irradiance 1000W/m² module temperature 25°C AM=1.5
 NMOT: irradiance of 800W / m², ambient temperature 20°C, and wind speed 1m / s
 The uncertainty of Pmax, Voc, Isc testing is ± 3%

Mechanical Specifications

External Dimension	2278*1134*30mm
Weight	18.5 ± 0.5kg
Solar Cell	N-type Mono crystalline 182*91mm, 144 (6*24)
GLASS	2.0mm high transparency low iron tempered coated glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes, MC4 compatible
Output Cables	4.0mm ² (IEC), 250~300mm(+)/(-) or Customized Length
Mechanical Load	Front side 5400pa/Back side 2400pa

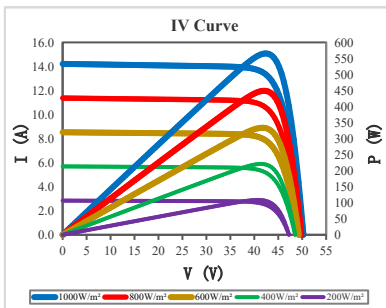


Temperature characteristic

Pmax Temperature Coefficient	-0.29 %/° C
Voc Temperature Coefficient	-0.25 %/° C
Isc Temperature Coefficient	+0.045 %/° C
Operating Temperature	-40 ~ +85 ° C
Nominal module operation temperature	45 ± 2 ° C

Package

Packing Unit	40HQ	17.5m platform truck
PCS/CTNS	36	36
Qty of Package	20	24
PCS/Packages	720	864



Our product thickness and weight allow for substantial deviation.
 HG Group reserved the right of final explanation.
 Specifications are subject to change without notice.