

HG-T Lightweight

Half the weight, easy to install

530W-550W



• HG-T Lightweight Series

HG Group has redefined the high-efficiency Lightweight Module Series by combining PERC and half-cell technologies on a 182mm cell. HG Group's Lightweight Modules combine innovative technologies to effectively increase module efficiency and power output. The Lightweight Series utilizes 2.0mm ultra-thin glass to significantly reduce module weight.

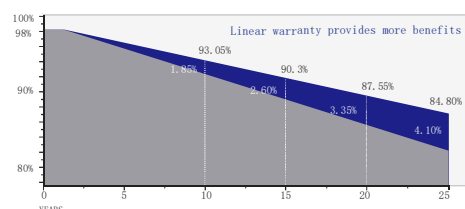
• Products Features

- Reduced Adaptation Losses for Higher Power
- Reduce power loss by minimizing the effects of shadow shading
- 60% of the weight of conventional components
- Three EL tests ensure the best quality
- The reduction of BOS and the improvement of ROI are ideal choices for industrial and commercial scale 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

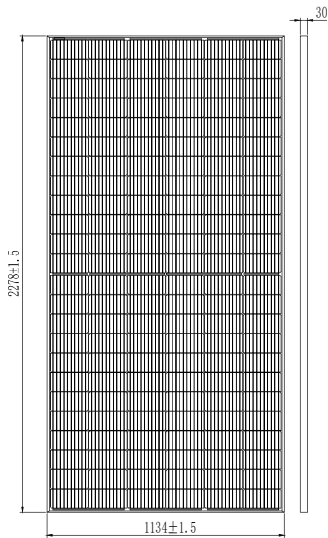


Liner power Output Warranty

Address: No.633 Chengnan Avenue, Banqiao Industrial Park, Rongchang District, Chongqing, China

Website: www.hg-energy-group.cn

Electrical Parameters



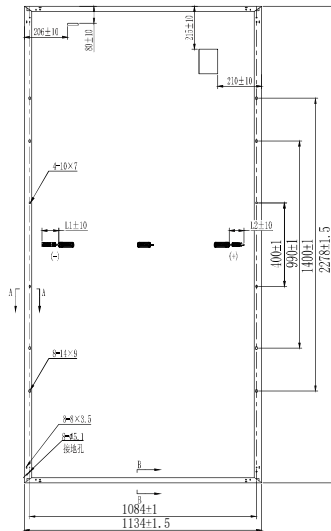
Module Type	HGT530-72CW		HGT535-72CW		HGT540-72CW		HGT545-72CW		HGT550-72CW	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (P_{max})	530W	394W	535W	398W	540W	402W	545W	405W	550W	409W
Open Circuit Voltage (V_{oc})	49.20V	46.63V	49.35V	46.77V	49.50V	46.92V	49.65V	47.06V	49.80V	47.20V
Short Circuit Current (I_{sc})	13.76A	11.11A	13.83A	11.16A	13.90A	11.22A	13.95A	11.26A	14.00A	11.30A
Max Power Voltage (V_{mp})	41.35V	39.19V	41.50V	39.33V	41.65V	38.48V	41.80V	39.62V	41.95V	39.76V
Max Power Current (I_{mp})	12.83A	10.05A	12.90A	10.12A	12.97A	10.18A	13.05A	10.22A	13.12A	10.29A
Module Efficiency STC (η_s)	20.5%		20.7%		20.9%		21.1%		21.3%	
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

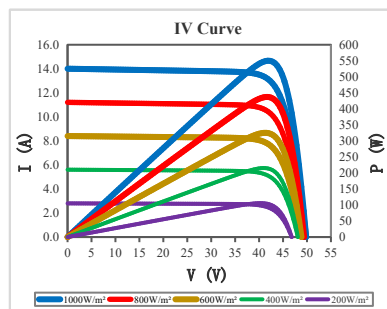
The uncertainty of Pmax, Voc, Isc testing is ± 3%

Mechanical Specifications



External Dimension	2278*1134*30mm
Weight	18.5 ± 0.5kg
Solar Cell	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	-0.35 %/° C
Voc Temperature Coefficient	-0.26 %/° C
Isc Temperature Coefficient	+0.047 %/° 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