

HG-T Lightweight

Half the weight, easy to install

405W-425W



• HG-T Lightweight Series

HG Group has redefined the high-efficiency lightweight module series by combining PERC and half-cell technologies in a 182mm cell. HG Group's Lightweight Modules combine innovative technologies to effectively increase module efficiency and power output. The Lightweight Series utilizes 1.6mm ultra-thin glass to significantly reduce module weight.

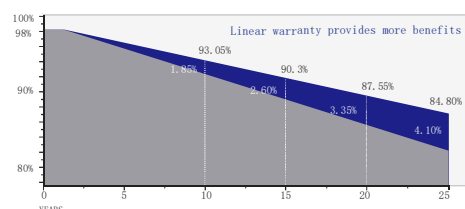
• Products Features

- Reduced Adaptation Losses for Higher Power
- Reduce power loss by minimizing the effects of shadow shading
- 60% of the weight of conventional solar modules
- 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 2400pa snow load.
 - Anti-PID

• Quality System

ISO9001
ISO14001
ISO45001

• Product Warranty



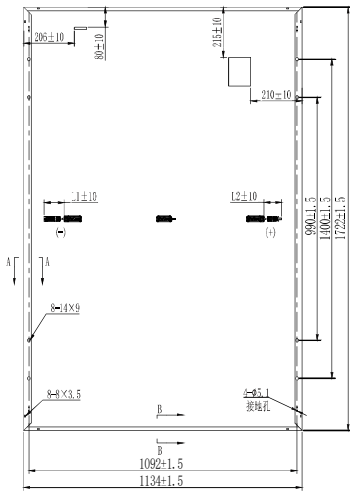
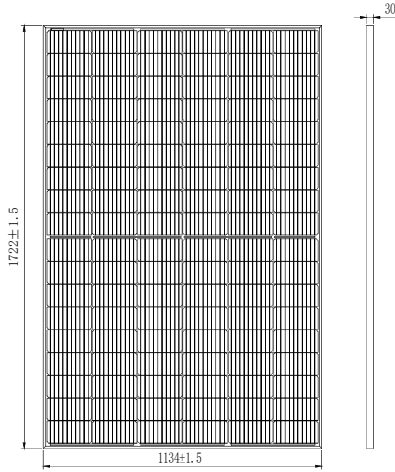
Quality and process performance Assurance



Linerpower Output Warranty

Address: No.633 Chengnan Avenue, Banqiao Industrial Park, Rongchang District, Chongqing, China
Website: www.hg-energy-group.cn

Technical drawings



Electrical Parameters

Module Type	HGT405-54CW		HGT410-54CW		HGT415-54CW		HGT420-54CW		HGT425-54CW	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (P_{max})	405W	301W	410W	305W	415W	309W	420W	312W	425W	316W
Open Circuit Voltage (V_{oc})	37.19V	35.25V	37.33V	35.38V	37.48V	35.52V	37.63V	35.67V	37.79V	35.82V
Short Circuit Current (I_{sc})	13.91A	11.23A	13.98A	11.28A	14.06A	11.35A	14.14A	11.41A	14.22A	11.48A
Max Power Voltage (V_{mp})	31.31V	29.68V	31.44V	29.80V	31.60V	29.95V	31.74V	30.08V	31.91V	30.24V
Max Power Current (I_{mp})	12.95A	10.14A	13.05A	10.23A	13.14A	10.32A	13.24A	10.37A	13.33A	10.45A
Module Efficiency STC (η_s)	20.7%		21.0%		21.3%		21.5%		21.8%	
Power Tolerance	0~+5W									
Maximum System Voltage	1500V DC									
Max Serise Fuse Rating	25A									

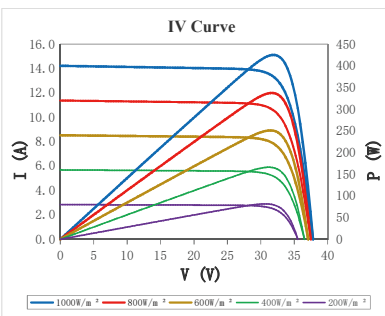
 STC: irradiance 1000W/m² module temperature 25°C AM=1.5

 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	1722*1134*30mm
Weight	13.5 ± 0.5kg
Solar Cell	Mono crystalline 182*91mm, 108 (6*18)
GLASS	1.6mm 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 2400pa/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	26	36
PCS/Packages	936	1296