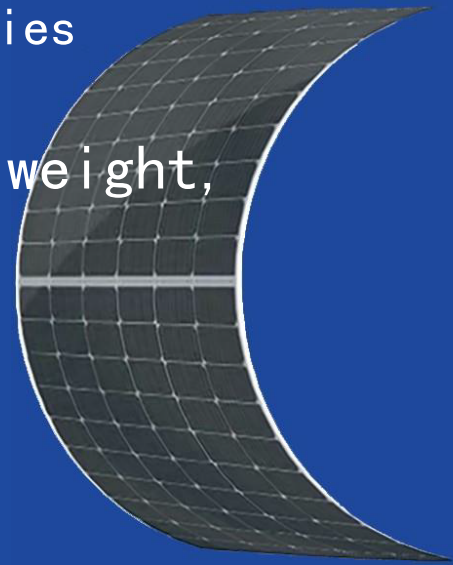


HG-L Lightweight & Flexible Series

Greatly decreased the product weight,
far less cost to install.

430W-450W



• Products Features

- Lightweight, Ultra-high flexibility, Easy to install.
- Reducing the adaptive loss to get higher power.
- Competitive weak light tolerance performance.
- Minimizing the shading affection to reduce power loss.
- The superior reliability has been proven through rigorous weathering test
 - sand and dust resistance, acid and alkali-resistance, salt mist resistance.
- Anti- PID

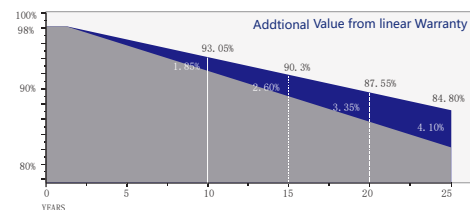
• Quality System

ISO19001/ISO14001/ISO45001

• Product Insurance

PICC

• Product Warranty



Quality and process performance Assurance

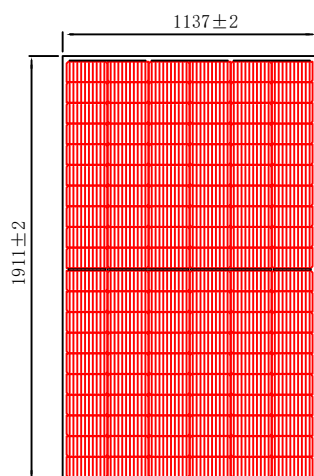


Liner power Output Warranty

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

Email: info@hg-energy-group.com

Technical Drawing



Electronic Parameters

Model Type	HGL430-60CW		HGL435-60CW		HGL440-60CW		HGL445-60CW		HGL450-60CW	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power P_{mp}	430W	320W	435W	324W	440W	327W	445W	331W	450W	335W
Open Circuit Voltage V_{oc}	41.29V	39.19V	41.56V	39.37V	41.60V	39.42V	41.76V	39.61V	41.91V	39.76V
Short Circuit Current I_{sc}	13.21A	10.66A	13.28A	10.72A	13.35A	10.78A	13.42A	10.83A	13.48A	10.88A
Max Power Voltage V_{mp}	35.18V	33.39V	35.37V	33.54V	35.55V	33.68V	35.70V	33.82V	35.86V	33.99V
Max Power Current I_{mp}	12.22A	9.58A	12.30A	9.66A	12.39A	9.71A	12.47A	9.79A	12.56A	9.86A
Module Efficiency STC- η_m	19.8%		20.0%		20.3%		20.5%		20.7%	
Power Tolerance(W)	0 ~ +5W									
Maximum System Voltage	1500V DC									
Max Series Fuse Rating	25A									

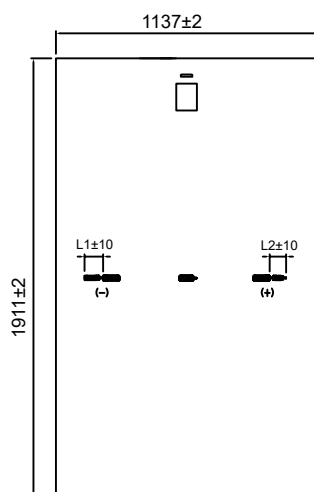
STC:irradiance 1000W/m²

NMOT:irradiance of 800W/m², ambient temperature 20°C, and wind speed 1m/s

The test uncertainty of Pmax, Voc, and Isc was ±4.5%

Mechanical Specifications

External Dimension	1911mm*1137mm
Thickness	2.7mm
Weight	6.5kg
Solar Cell	Mono crystalline 182*91, 120 (6*20)
Frame	/
Glass	/
Junction Box	IP68,3diodes, MC4 compatible
Output Gables	4.0mm ² (IEC) ,(+)+250mm,(-)-350mm, or Customized Length



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	40ft container	17.5m platform truck
PCS/CTNS	45	45
Qty Of Package	22	28
PCS/Packages	990	1260

