

# HG-Tiger Series

BIFACIAL PERC MONOCRYSTALLINE MODULE

## 530-550 w



### • HG-TIGER SERIES

HG group redefined the high-efficiency module series by integrating 182mm silicon wafers with PERC and half-cut technologies. HG group panel combined creative technology effectively and extremely improved the module efficiency and power out.

### • KEY FEATURES

- Bifacial technology enables additional energy harvesting from rear side (up to 30%)
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Reducing costs and increasing returns are important goals for businesses
- Outstanding reliability proven for stringent environment condition :
  - .Sand, acid, salt, and hail stones
  - .2400pa wind load and 5400pa snow load
  - .Anti-PID

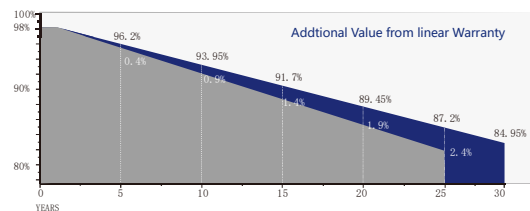
### • QUALITY SYSTEM

ISO19001 / ISO14001 / ISO45001

### • PRODUCT CERTIFICATION



### • WARRANTY



Guarantee on product material and workmanship



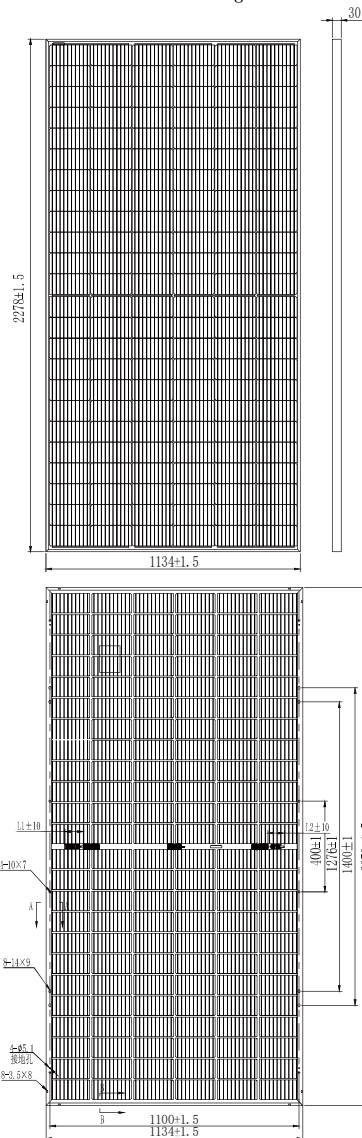
Linear power output warranty

### Electrical Characteristics

Module Type	HGT530-72CB		HGT535-72CB		HGT540-72CB		HGT545-72CB		HGT550-72CB	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power $P_{mp}$	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	35.19V	41.50V	39.33V	41.65V	39.48V	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- $\eta_m$	20.5%		20.7%		20.9%		21.1%		21.3%	
Power Tolerance(W)	0~+5W									
Maximum System Voltage	1500V DC									
Max Serise Fuse Rating	25A									

STC: irradiance 1000W/m<sup>2</sup> module temperature 25°C AM=1.5  
 NMOT: irradiance of 800W / m<sup>2</sup>, ambient temperature 20°C, and wind speed 1m / s

### Technical drawings



### Rear Gain(Take540W as an example)

Gain	5%	10%	15%	20%	25%	30%
Maximum Power	572W	600W	628W	655W	683W	711W
Open Circuit Voltage (Voc)	49.67V	49.69V	49.71V	49.73V	49.75V	49.76V
Short Circuit Current (Isc)	14.65A	15.35A	16.04A	16.74A	17.44A	18.13A
Maximum Power Voltage (Vmp)	41.82V	41.84V	41.86V	41.88V	41.90V	41.91V
Maximum Circuit Current (Imp)	13.70A	14.36A	15.01A	15.66A	16.31A	16.97A

### 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

### Mechanical Specifications

External Dimension	2278*1134*30mm
Weight	32.5kg
Solar Cell	Mono crystalline182*91mm, 144 (6*24)
Glass	2.0mm Tempered Glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3diodes, MC4 compatible
Output Cables	4.0mm <sup>2</sup> , 200mm(+)/300mm(-) or Customized Length
Mechanical Load	Front side 5400pa/Back side 2400pa
Packaging Configuration	36pcs / box, 720pcs / 40' HQ Container

