

# HG-Tiger Series

Multiple upgrades were forged into one

## 540-560 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

- 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

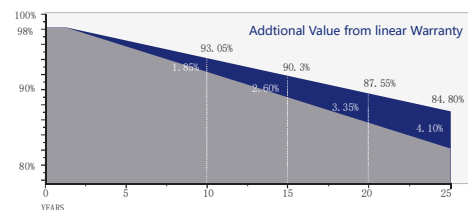
### • QUALITY SYSTEM

ISO19001 / ISO14001 / ISO45001

### • PRODUCT CERTIFICATION



### • WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

## Electrical Characteristics

Module Type	HGT540-72CW		HGT545-72CW		HGT550-72CW		HGT555-72CW		HGT560-72CW	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power $P_{mp}$	540W	402W	545W	405W	550W	409W	555W	413W	560W	417W
Open Circuit Voltage- $V_{oc}$	49.5V	46.92V	49.65V	47.06V	49.80V	47.20V	49.95V	47.34V	50.10V	47.48V
Short Circuit Current- $I_{sc}$	13.90A	11.22A	13.95A	11.26A	14.00A	11.30A	14.07A	11.36A	14.14A	11.41A
Max Power Voltage- $V_{mp}$	41.65V	39.48V	41.80V	39.62V	41.95V	39.76V	42.10V	39.90V	42.25V	40.04V
Max Power Current- $I_{mp}$	12.97A	10.18A	13.05A	10.22A	13.12A	10.29A	13.20A	10.35A	13.27A	10.41A
Module Efficiency STC- $\eta_m$	20.9%		21.1%		21.3%		21.5%		21.7%	
Power Tolerance(W)	0~+5W									
Maximum System Voltage	1500V DC									
Max Serie 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

## 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*35mm
Weight	28.5kg
Solar Cell	Mono crystalline 182*91mm, 144 (6*24)
GLASS	High transmission tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes, MC4 compatible
Output Cables	4.0mm <sup>2</sup> , 200mm(+)/300mm(-) or Customized Length
Mechanical Load	Front side 5400pa/Back side 2400pa
Packaging Configuration	31pcs / box, 620pcs / 40' HQ Container

## Technical drawings

