

# HG-Tiger Series

Multiple upgrades were forged into one  
**650-670 W**



## • HG-TIGER SERIES

HG group redefined the high-efficiency module series by integrating 210 mm 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

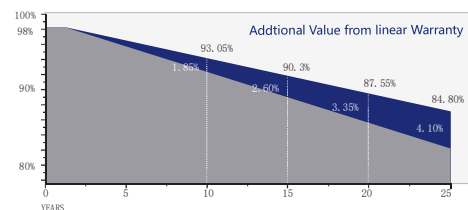
## • QUALITY SYSTEM

ISO19001 / ISO14001 / ISO45001

## • PRODUCT CERTIFICATION



## • WARRANTY



Guarantee on product material and workmanship



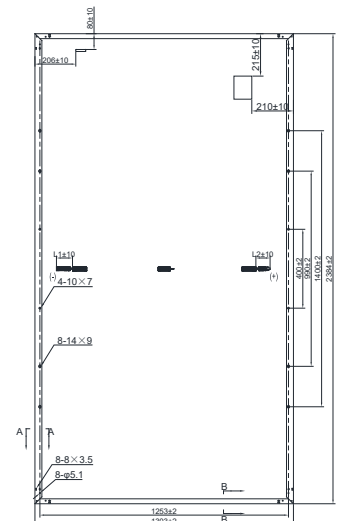
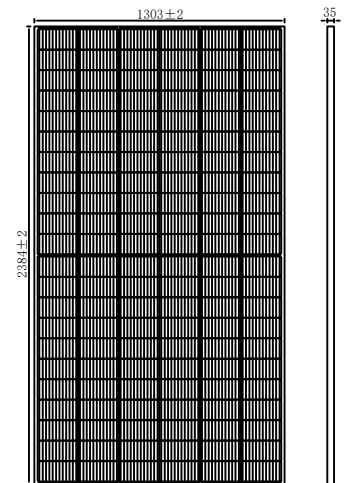
Linear power output warranty

## Electrical Characteristics

Module Type	HGT650-66DW		HGT-655-66DW		HGT-660-66DW		HGT-665-66DW		HGT-670-66DW	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power $P_{mp}$	650W	493W	655W	496W	660W	500W	665W	504W	670W	508W
Open Circuit Voltage- $V_{oc}$	45.00V	43.10V	45.20V	43.30V	45.40V	43.50V	45.60V	43.70V	45.80V	43.90V
Short Circuit Current- $I_{sc}$	18.39A	14.81A	18.43A	14.84A	18.47A	14.88A	18.51A	14.91A	18.55A	14.93A
Max Power Voltage- $V_{mp}$	37.90V	36.30V	38.10V	36.50V	38.30V	36.70V	38.50V	36.90V	38.70V	37.10V
Max Power Current- $I_{mp}$	17.16A	13.58A	17.20A	13.59A	17.24A	13.62A	17.28A	13.66A	17.32A	13.69A
Module Efficiency STC- $\eta_m$	20.9%		21.1%		21.2%		21.4%		21.6%	
Power Tolerance(W)	0~+5W									
Maximum System Voltage	1500V DC									
Max Serie Fuse Rating	30A									

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



## Temperature characteristic

$P_{max}$ Temperature Coefficient	-0.35 %/° C
$V_{oc}$ Temperature Coefficient	-0.26 %/° C
$I_{sc}$ Temperature Coefficient	+0.047 %/° C
Operating Temperature	-40~+85 ° C
Nominal module operation temperature	45 ± 2 ° C

## Mechanical Specifications

External Dimension	2384*1303*35mm
Weight	33.5kg
Solar Cell	Mono crystalline 210*105mm, 132 (6*22)
GLASS	High transmission tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3diodes, MC4 compatible
Output Cables	4.0mm <sup>2</sup> , 400mm(+)/300mm(-) or Customized Length
Mechanical Load	Front side 5400pa/Back side 2400pa
Packaging Configuration	31pcs / box, 558pcs / 40' HQ Container

