

HG-Tiger Series

Multiple upgrades were forged into one

585-605 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

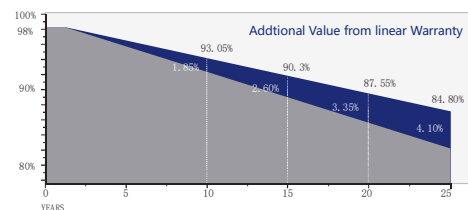
• QUALITY SYSTEM

ISO19001 / ISO14001 / ISO45001

• PRODUCT CERTIFICATION



• WARRANTY



Guarantee on product material and workmanship



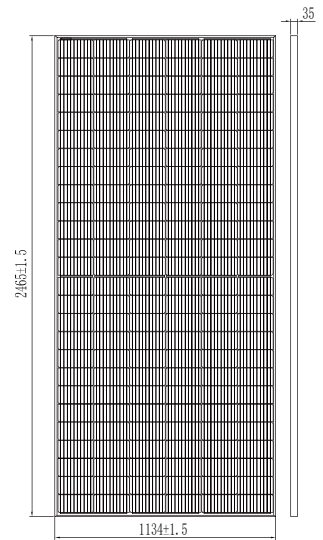
Linear power output warranty

Electrical Characteristics

Module Type	HGT585-78CW		HGT590-78CW		HGT595-78CW		HGT600-78CW		HGT605-78CW	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power P_{mp}	585W	435W	590W	439W	595W	443W	600W	446W	605W	450W
Open Circuit Voltage- V_{oc}	53.64V	50.84V	53.79V	50.98V	53.94V	51.12V	54.09V	51.27V	54.24V	51.41V
Short Circuit Current- I_{sc}	13.89A	11.21A	13.96A	11.27A	14.03A	11.32A	14.10A	11.38A	14.17A	11.44A
Max Power Voltage- V_{mp}	45.13V	42.77V	45.28V	42.92V	45.43V	43.06V	45.58V	43.20V	45.73V	43.34V
Max Power Current- I_{mp}	12.97A	10.17A	13.04A	10.23A	13.11A	10.29A	13.17A	10.32A	13.24A	10.38A
Module Efficiency STC- η_m	20.9%		21.1%		21.3%		21.5%		21.6%	
Power Tolerance(W)	0~+5W									
Maximum System Voltage	1500V DC									
Max Serise Fuse Rating	25A									

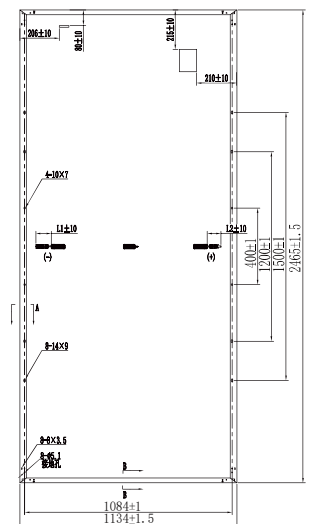
STC: irradiance 1000W/m² module temperature 25°C AM=1.5
 NMOT: irradiance of 800W / m², ambient temperature 20°C, and wind speed 1m / s

Technical drawings



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	2465*1134*35mm
Weight	30.5kg
Solar Cell	Mono crystalline 182*91mm, 156 (6*26)
GLASS	High transmission tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3diodes, MC4 compatible
Output Cables	4.0mm ² , 200mm(+)/300mm(-) or Customized Length
Mechanical Load	Front side 5400pa/Back side 2400pa
Packaging Configuration	31pcs / box, 496pcs / 40' HQ Container

