

HG-Tiger Series

BIFACIAL PERC MONOCRYSTALLINE MODULE

485-505 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

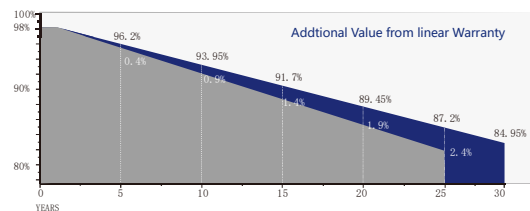
• QUALITY SYSTEM

ISO19001 / ISO14001 / ISO45001

• PRODUCT CERTIFICATION



• WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

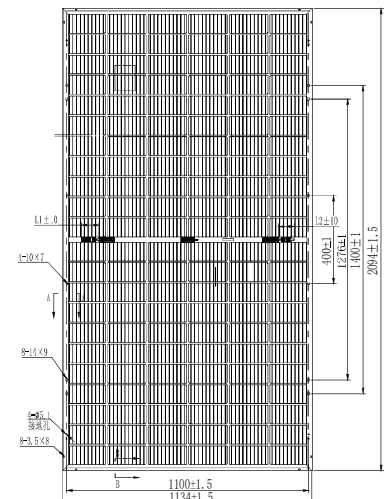
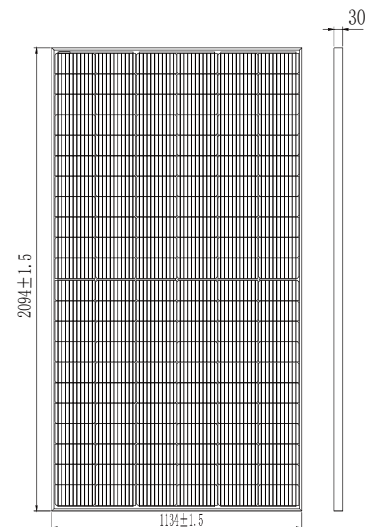
Electrical Characteristics

Module Type	HGT485-66CB		HGT490-66CB		HGT495-66CB		HGT500-66CB		HGT505-66CB	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power P_{mp}	485W	361W	490W	364W	495W	368W	500W	372W	505W	376W
Open Circuit Voltage- V_{oc}	45.10V	42.70V	45.25V	42.90V	45.40V	43.00V	45.55V	43.20V	45.70V	43.30V
Short Circuit Current- I_{sc}	13.73A	11.08A	13.79A	11.13A	13.86A	11.19A	13.93A	11.24A	13.99A	11.29A
Max Power Voltage- V_{mp}	37.92V	35.90V	38.07V	36.10V	38.22V	36.20V	38.37V	36.40V	38.52V	36.50V
Max Power Current- I_{mp}	12.80A	10.06A	12.88A	10.08A	12.96A	10.17A	13.04A	10.22A	13.12A	10.30A
Module Efficiency STC- η_m	20.4%		20.6%		20.8%		21.1%		21.3%	
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



Rear Gain(Take495W as an example)

Gain	5%	10%	15%	20%	25%	30%
Maximum Power	520W	545W	570W	595W	620W	645W
Open Circuit Voltage (Voc)	45.42V	45.44V	45.46V	45.48V	45.50V	45.51V
Short Circuit Current (Isc)	14.55A	15.25A	15.94A	16.63A	17.33A	18.02A
Maximum Power Voltage (Vmp)	38.24V	38.26V	38.28V	38.30V	38.32V	38.33V
Maximum Circuit Current (Imp)	13.61A	14.26A	14.90A	15.55A	16.20A	16.85A

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	2094*1134*30mm
Weight	30.0kg
Solar Cell	Mono crystalline 182*91mm, 132 (6*22)
Glass	2.0mm 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	36pcs / box, 792pcs / 40' HQ Container

