

HG-Tiger Series

Multiple upgrades were forged into one

495-515 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

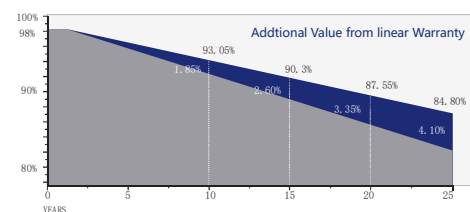
• QUALITY SYSTEM

ISO19001 / ISO14001 / ISO45001

• PRODUCT CERTIFICATION



• WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

Electrical Characteristics

Module Type	HGT495-66CW		HGT500-66CW		HGT505-66CW		HGT510-66CW		HGT515-66CW	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power P_{mp}	495W	368W	500W	372W	505W	376W	510W	379W	515W	383W
Open Circuit Voltage- V_{oc}	45.40V	43.00V	45.55V	43.20V	45.70V	43.30V	45.85V	43.46V	46.00V	43.60V
Short Circuit Current- I_{sc}	13.86A	11.19A	13.93A	11.24A	13.99A	11.29A	14.06A	11.35A	14.13A	11.40A
Max Power Voltage- V_{mp}	38.22V	36.20V	38.37V	36.40V	38.52V	36.50V	38.67V	36.65V	38.82V	36.79V
Max Power Current- I_{mp}	12.96A	10.17A	13.04A	10.22A	13.12A	10.30A	13.20A	10.34A	13.28A	10.41A
Module Efficiency STC- η_m	20.8%		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/m² module temperature 25°C AM=1.5

NMOT: irradiance of 800W / m², ambient temperature 20°C, and wind speed 1m / s

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	2094*1134*35mm
Weight	26.0kg
Solar Cell	Mono crystalline 182*91mm, 132 (6*22)
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, 682pcs / 40' HQ Container

Technical drawings

