

HG-Tiger Series

Multiple upgrades were forged into one

405-425 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

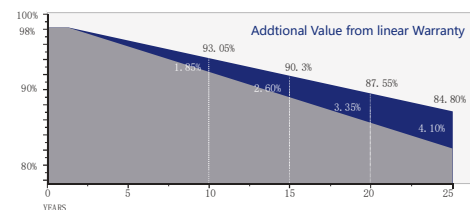
• QUALITY SYSTEM

ISO19001 / ISO14001 / ISO45001

• PRODUCT CERTIFICATION



• WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

Electrical Characteristics

| Module Type | HGT405-54CW | | HGT410-54CW | | HGT415-54CW | | HGT420-54CW | | HGT425-54CW | |
|---------------------------------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
| | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum Power P_{mp} | 405W | 301W | 410W | 305W | 415W | 309W | 420W | 312W | 425W | 316W |
| Open Circuit Voltage- V_{oc} | 37.19V | 35.25V | 37.33V | 35.38V | 37.48V | 35.52V | 37.63V | 35.67V | 37.79V | 35.82V |
| Short Circuit Current- I_{sc} | 13.91A | 11.23A | 13.98A | 11.28A | 14.06A | 11.35A | 14.14A | 11.41A | 14.22A | 11.48A |
| Max Power Voltage- V_{mp} | 31.31V | 29.68V | 31.44V | 29.80V | 31.60V | 29.95V | 31.74V | 30.08V | 31.91V | 30.24V |
| Max Power Current- I_{mp} | 12.95A | 10.14A | 13.05A | 10.23A | 13.14A | 10.32A | 13.24A | 10.37A | 13.33A | 10.45A |
| Module Efficiency STC- η_m | 20.7% | | 21.0% | | 21.3% | | 21.5% | | 21.8% | |
| 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

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 | 1722*1134*30mm |
| Weight | 21.0kg |
| Solar Cell | Mono crystalline 182*91mm, 108 (6*18) |
| 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 | 36pcs / box, 936pcs / 40' HQ Container |

Technical drawings

