

Gokin

GBC Module with Full-screen Single Glass
GK-3-54HGF

480-500W



Full-screen



High Efficiency



Anti-fire



Anti-covering



25 Years Product Warranty



30 Years Linear Power Warranty



24.5%

Module Efficiency up to

≤1% First-year Degradation

≤0.35% Annual Degradation

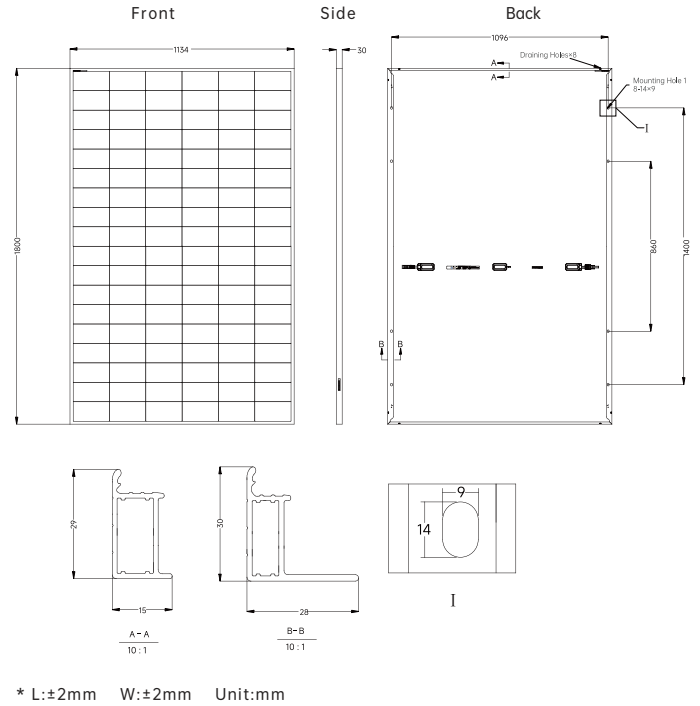


- Operating Temperature **-40°C ~ +85°C**
- Power Tolerance **0~+3%**
- Junction Box **IP68**
- NOCT **45±2°C**
- Maximum Series Fuse Rating **25A**
- Maximum System Voltage **DC 1500V(IEC)**

Mechanical Parameters

| | |
|------------------|--|
| Cell Type | GBC |
| No. of cells | 108 (6×18) |
| Glass | 3.2 mm tempered glass |
| Frame | Black anodized aluminum |
| Output Cables | TüV 1×4mm ² , (+)300mm, (-)200mm or Customized Length |
| Weight | 21.4kg (47.18lbs) |
| Dimension | 1800×1134×30mm |
| Connector | MC4 Compatible/MC4-Evo2 |
| Packaging | 37 pcs per pallet 222 pcs per 20' GP, 888 pcs per 40' HC |
| Protection Class | Class II |
| Fire Rating | IEC Class C |

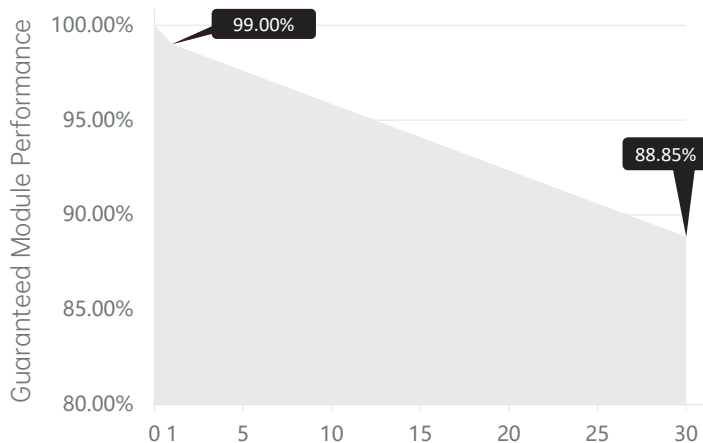
Engineering Drawings



Electrical Characteristics (STC Test)

| Module Type | GK-3-54HGF-480M | | GK-3-54HGF-485M | | GK-3-54HGF-490M | | GK-3-54HGF-495M | | GK-3-54HGF-500M | |
|-------------------------------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | 480 | 365 | 485 | 369 | 490 | 373 | 495 | 377 | 500 | 381 |
| Open-circuit Voltage (Voc/V) | 40.44 | 37.98 | 40.54 | 38.08 | 40.64 | 38.18 | 40.74 | 38.28 | 40.84 | 38.38 |
| Maximum Power Voltage (Vmp/V) | 35.14 | 31.98 | 35.24 | 32.08 | 35.34 | 32.18 | 35.44 | 32.28 | 35.54 | 32.38 |
| Short-circuit Current (Isc/A) | 14.78 | 12.12 | 14.88 | 12.18 | 14.98 | 12.24 | 15.08 | 12.30 | 15.18 | 12.36 |
| Maximum Power Current (Imp/A) | 13.67 | 11.42 | 13.77 | 11.51 | 13.88 | 11.60 | 13.98 | 11.69 | 14.08 | 11.78 |
| Module Efficiency (%) | 23.5 | | 23.8 | | 24.0 | | 24.3 | | 24.5 | |

1、STC: Irradiance 1000W/M², Cell Temperature 25°C, AM=1.5 2、NOCT: Irradiance 800W/M², Ambient Temperature 20°C, AM=1.5, Wind Speed 1M/S



Temperature Ratings (STC)

Temperature Coefficient of Isc **+0.05%/°C**

Temperature Coefficient of Voc **-0.22%/°C**

Temperature Coefficient of Pmax **-0.26%/°C**

Mechanical Loading

Front Side Maximum Static Loading **5400Pa**

Rear Side Maximum Static Loading **2400Pa**

Hailstone Test **25 mm diameter hail at 23 m/s**