

# Gokin



GBC Module with Single Glass  
GK-3-54HG

# 470-475W

-  Superior Temperature coefficient
-  Higher Generated Energy
-  Higher Reliability
-  Lower BOS
-  Excellent Micro-crack Resistance
-  High Temperature Restriction
-  Partial Shading Optimisation
-  Extraordinary Aesthetic Design

## 23.5%

Module Efficiency up to

≤1% First-year Degradation

≤0.35% Annual Degradation



Product Warranty



Linear Power Warranty



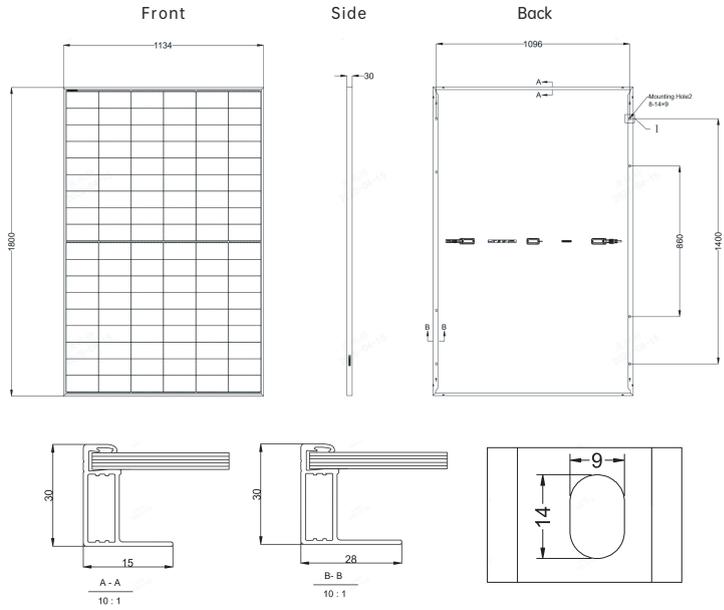
Made in China

- Operating Temperature **-40°C ~ +85°C**
- $T_{98}$  max **70°C**
- Junction Box **IP68**
- NOCT **45±2°C**
- Maximum Series Fuse Rating **25A**
- Maximum System Voltage **1500V(IEC)**

## Mechanical Parameters

|                  |   |
|------------------|---|
| Cell Type        | GBC   |
| No. of cells     | 108 (6×18)  |
| Glass            | 3.2 mm tempered glass                                       |
| Frame            | Anodized aluminum   |
| Output Cables    | TüV 1×4mm , (+)300mm, (-)200mm or Customized Length         |
| Weight           | 21.4 kg (47.18 lbs)   |
| Dimension        | 1800×1134×30mm  |
| Connector        | For details please refer to page3                           |
| Packaging        | 37 pcs per pallet<br>222 pcs per 20' GP, 888 pcs per 40' HC |
| Protection Class | Class II  |
| Fire Rating      | IEC Class C   |

## Engineering Drawings



\* L:±2mm W:±2mm Unit:mm

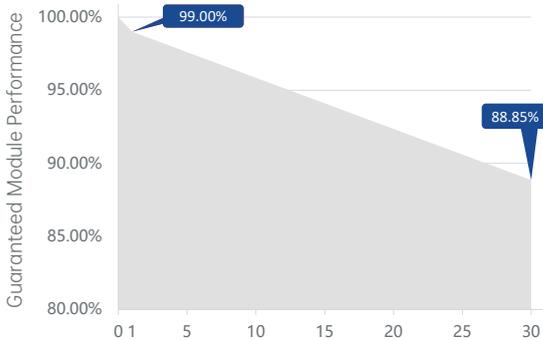
## Electrical Characteristics (STC Test)

Pmax and Voc and Isc Tolerance: ±3%

| Module Type                   | GK-3-54HG-475M |       | GK-3-54HG-480M |       |
|-------------------------------|----------------|-------|----------------|-------|
|                               | STC            | NOCT  | STC            | NOCT  |
| Maximum Power (Pmax/W)        | 475            | 358   | 480            | 362   |
| Open-circuit Voltage (Voc/V)  | 40.51          | 38.26 | 40.65          | 38.39 |
| Maximum Power Voltage (Vmp/V) | 33.58          | 31.71 | 33.68          | 31.81 |
| Short-circuit Current (Isc/A) | 14.93          | 12.07 | 15.00          | 12.13 |
| Maximum Power Current (Imp/A) | 14.15          | 11.29 | 14.26          | 11.38 |
| Module Efficiency (%)         | <b>23.3</b>    |       | <b>23.5</b>    |       |

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

Power Sorting Tolerance: 0~+5W

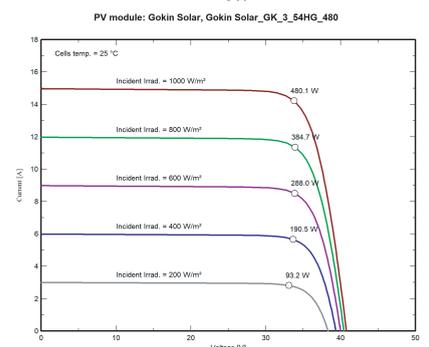
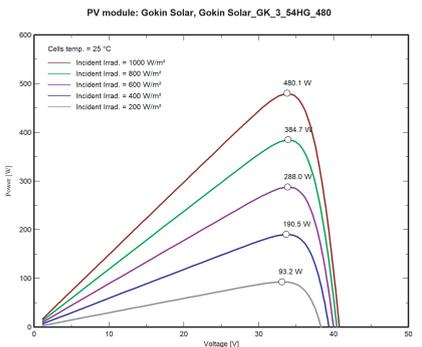


## Temperature Ratings (STC)

|                                 |           |
|---------------------------------|-----------|
| Temperature Coefficient of Isc  | +0.05%/°C |
| Temperature Coefficient of Voc  | -0.22%/°C |
| Temperature Coefficient of Pmax | -0.26%/°C |

## Mechanical Test Load

|                                   |                               |
|-----------------------------------|-------------------------------|
| Front Side Maximum Static Loading | 5400Pa                        |
| Rear Side Maximum Static Loading  | 2400Pa                        |
| Hailstone Test                    | 25 mm diameter hail at 23 m/s |



**Gokin**



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\* Product data is updated as of July, 2025. Gokin Solar Co., Ltd. reserves the right to change specifications.  
 \* AU market only

## Cable type

Wuxi Xinhongye Wire&Cable Co., Ltd.

Ningbo Kibor Wire&Cable Co., Ltd.

Ningbo Minghe New Energy Technology Co., Ltd.

Xinya Electronic Co., Ltd.

QC Solar(Suzhou) Corporation

RUIXU INDUSTRY CO., Ltd.

SUZHOU YONGHAO CABLE CO., LTD.

Jiangxi Jinko PV Material Co., Ltd.

Suzhou Xtong Photovoltaic Technologies Co., Ltd.

## Connector type

PV-MH5,Ningbo Minghe New Energy Technology Co., Ltd.

QC4.10-cds, QC Solar (Suzhou)Corporation

QC4.10-ab, QC Solar (Suzhou)Corporation

QC4, QC Solar (Suzhou)Corporation

T4-PPE-1;T4-PC-1, Changshu Tlian Co.,Ltd.

PV4-Syx&PV4-Slyx, Tyco Electronics Austria GmbH.

PV-KST4-EVO2/xy&PV-KBT4-EVO2/xy, Stäubli Electrical connectors AG

PV-KST4-EVO2A/xy&PV-KBT4-EVO2A/xy, Stäubli Electrical connectors AG

PV-JK03M/xy, Jiangxi Jinko PV Material Co., Ltd.

PV-JK03M1/xyz, Jiangxi Jinko PV Material Co., Ltd.

PV-JK03M2/xy, Jiangxi Jinko PV Material Co., Ltd.

PV-KST4-EVO2/xy\_UR&PV-KBT4-EVO2/xy\_UR, Stäubli Electrical connectors AG

PV-XT101.1;PV-XT101.2;XT2, Suzhou Xtong Photovoltaic Technologies Co.,Ltd

PV-GK01, Gokin Solar Co., Ltd.