

Gokin

GBC Module with Single Glass
GK-5-54HGb

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

23.8%

Module Efficiency up to

≤1% First-year Degradation

≤0.35% Annual Degradation



Product Warranty



Linear Power Warranty



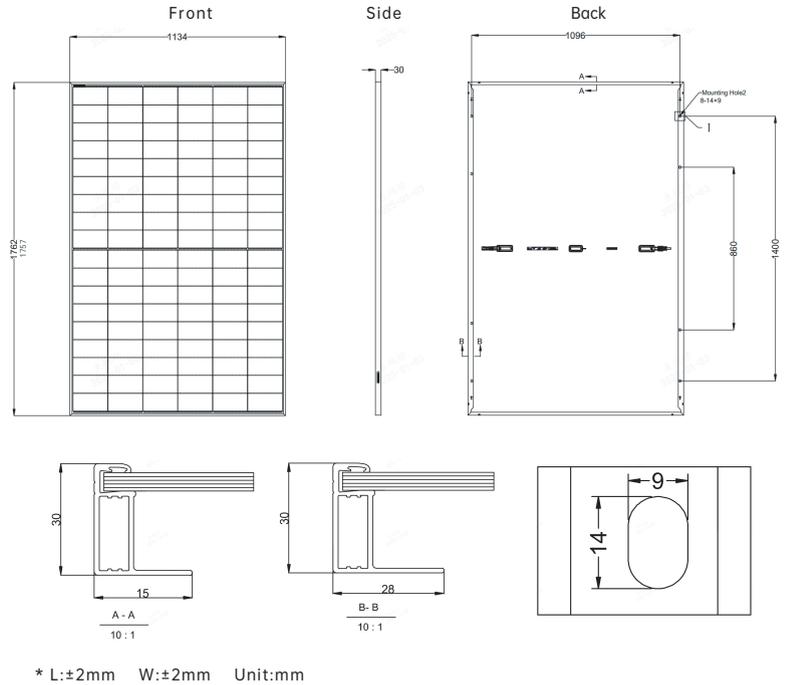
Made in China

- 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 ² , (+)300mm, (-)200mm or Customized Length
Weight	21.0kg (46.30lbs)
Dimension	1757×1134×30mm 1762×1134×30mm
Connector	For details please refer to page3
Packaging	37 pcs per pallet 222 pcs per 20' GP, 962 pcs per 40' HC
Protection Class	Class II
Fire Rating	IEC Class C

Engineering Drawings



Electrical Characteristics (STC Test)

Pmax and Voc and Isc Tolerance: ±3%

Module Type	GK-5-54HGb-470M		GK-5-54HGb-475M	
	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	470	354	475	358
Open-circuit Voltage (Voc/V)	41.18	38.89	41.24	38.95
Maximum Power Voltage (Vmp/V)	34.74	32.81	34.80	32.86
Short-circuit Current (Isc/A)	14.32	11.58	14.36	11.62
Maximum Power Current (Imp/A)	13.54	10.80	13.66	10.90
Module Efficiency (%)	23.6		23.8	

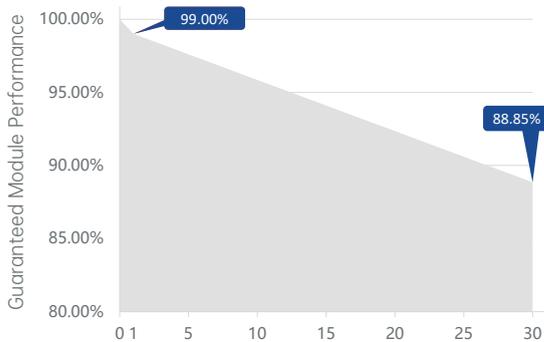
1. STC: Irradiance 1000W/M², Cell Temperature 25°C, AM=1.5
2. NOCT: Irradiance 800W/M², Ambient Temperature 20°C, AM=1.5, Wind Speed 1M/S

Temperature Ratings (stc)

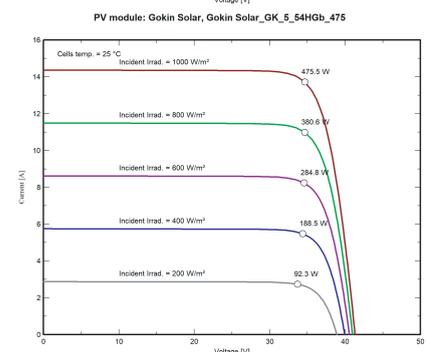
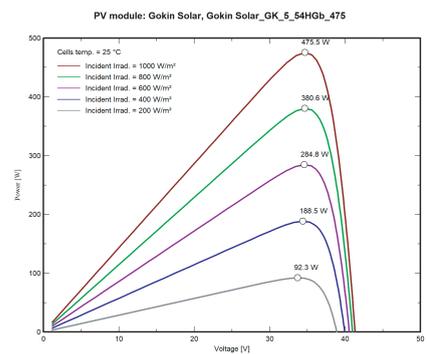
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Pmax	-0.26%/°C

Mechanical Test Load

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



Power Sorting Tolerance: 0~+5W



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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.