

Gokin

GBC Module with Dual Glass
GK-5-54HGBD

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*

*apply to front side of the PV module



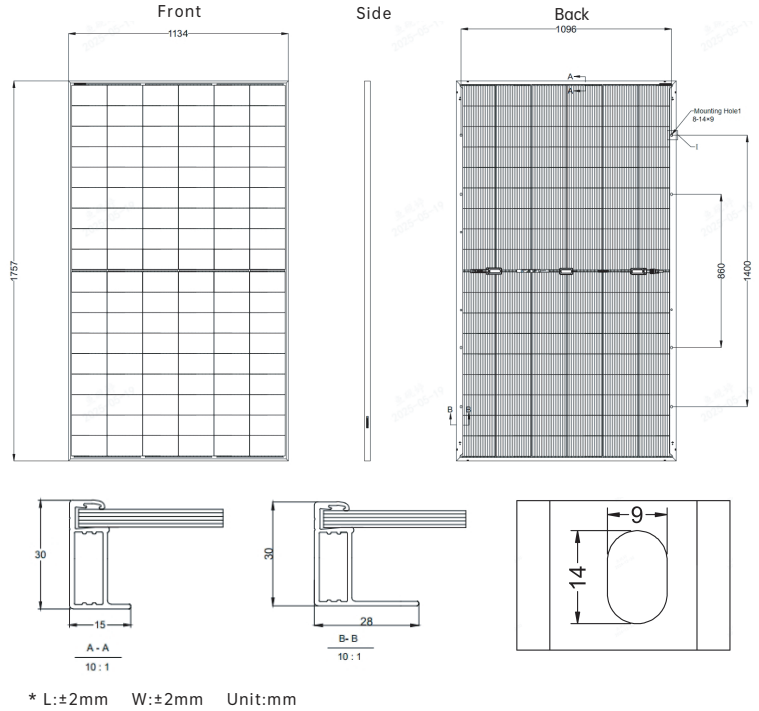
Made in China

- Operating Temperature $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- T_{98} max 70°C
- Junction Box IP68
- NOCT $45\pm 2^{\circ}\text{C}$
- Maximum Series Fuse Rating 30A
- Maximum System Voltage 1500V(IEC)

Mechanical Parameters

Cell Type	GBC
No. of cells	108 (6×18)
Glass	Dual glass, 2.0 + 2.0mm coated semi tempered glass
Frame	Anodized aluminum
Output Cables	TüV 1×4mm ² , (+)300mm, (-)200mm or Customized Length
Weight	24.3 kg (53.57 lbs)
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 A

Engineering Drawings



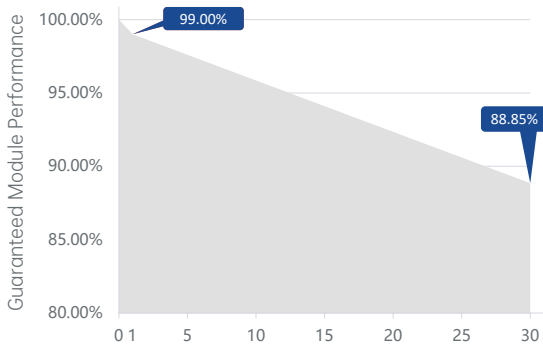
Electrical Characteristics (STC Test)

Pmax and Voc and Isc Tolerance: ±3%
 $\varphi_{Voc}=100\pm 5\%$, $\varphi_{Isc}=70\pm 5\%$, $\varphi_{Pmax}=70\pm 5\%$

Module Type	GK-5-54HGBD-470M			GK-5-54HGBD-475M		
Testing Condition	STC	BNPI	BSI	STC	BNPI	BSI
Maximum Power (Pmax/W)	470	490	/	475	495	/
Open-circuit Voltage (Voc/V)	41.18	41.18	/	41.24	41.24	/
Maximum Power Voltage (Vmp/V)	34.74	34.74	/	34.80	34.80	/
Short-circuit Current (Isc/A)	14.32	15.13	15.83	14.36	15.23	15.86
Maximum Power Current (Imp/A)	13.54	14.11	/	13.66	14.23	/
Module Efficiency (%)	23.6			23.8		

1. STC: Irradiance 1000W/M², Cell Temperature 25°C, AM=1.5
2. BNPI: Irradiance of front 1000W/M², rear 135W/M²
3. BSI: Irradiance of front 1000W/M², rear 300W/M²

Power Sorting Tolerance: 0~+5W

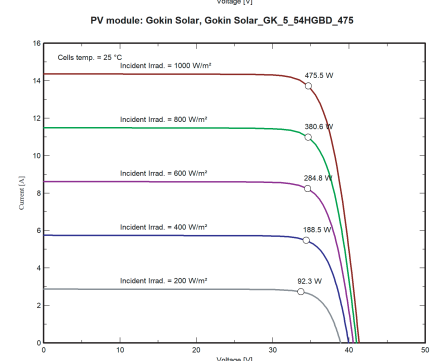
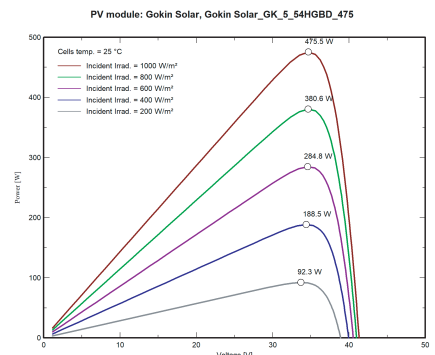


Temperature Ratings (STC)

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



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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.