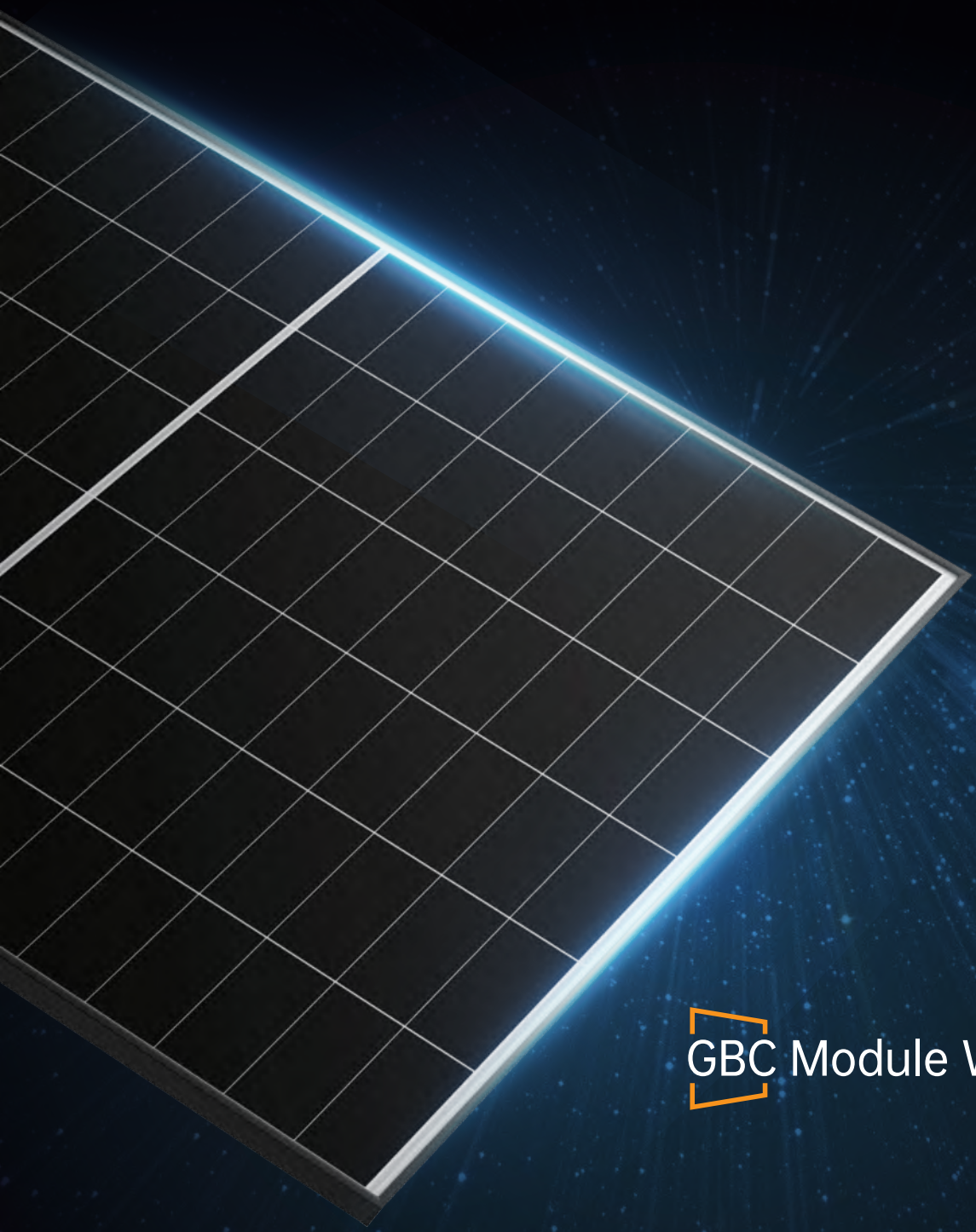
Gokin



GBC Module With Dual Glass

GK-3-54HGBD

475W

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

23.3%
Module Efficiency up to

≤1% First-year Degradation

≤0.35% Annual Degradation

25 year
Product Warranty

30 year
Linear Power Warranty*

*apply to front side of the PV module

CE

TÜVRheinland CERTIFIED

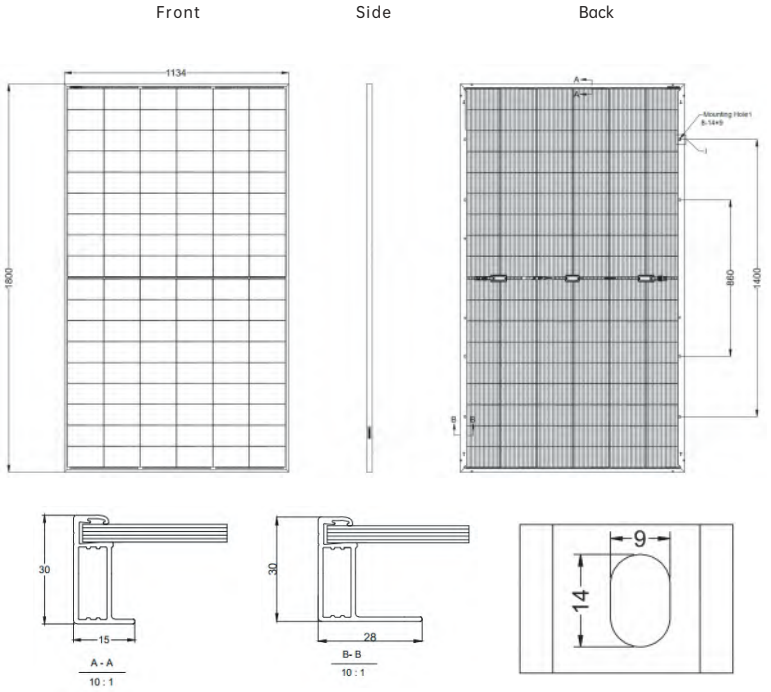
Made in China

- Operating Temperature -40°C ~ +85°C
- T_{98} max 70°C
- Junction Box IP68
- NOCT 45±2°C
- Maximum Series Fuse Rating 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 1×4mm², (+)300mm, (-)200mm or Customized Length
Weight	24.8 kg (54.67 lbs)
Dimension	1800×1134×30mm
Connector	For details please refer to page3
Packaging	37 pcs per pallet 222 pcs per 20' GP 888 pcs per 40' HC
Protection Class	Class II
Fire Rating	IEC Class A

Engineering Drawings



* L:±2mm W:±2mm Unit:mm

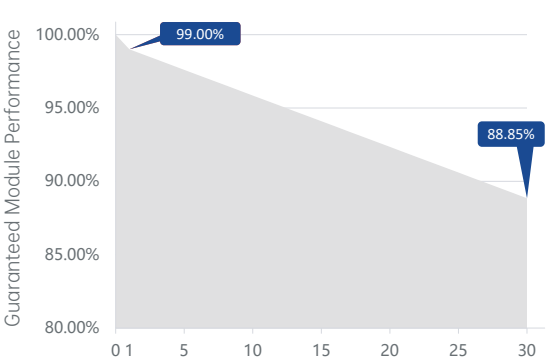
Electrical Characteristics (STC Test)

Pmax and Voc and Isc Tolerance: ±3%
φVoc=100%±5%, φIsc=70%±5%, φPmax=70%±5%

Module Type	GK-3-54HGBD-475M		
Testing Condition	STC	BNPI	BSI
Maximum Power (Pmax/W)	475	515	/
Open-circuit Voltage (Voc/V)	40.63	40.63	/
Maximum Power Voltage (Vmp/V)	33.74	33.75	/
Short-circuit Current (Isc/A)	14.89	16.06	17.72
Maximum Power Current (Imp/A)	14.09	15.27	/
Module Efficiency (%)		**23.3**	

1、STC: Irradiance 1000W/M², Cell Temperature25℃, 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

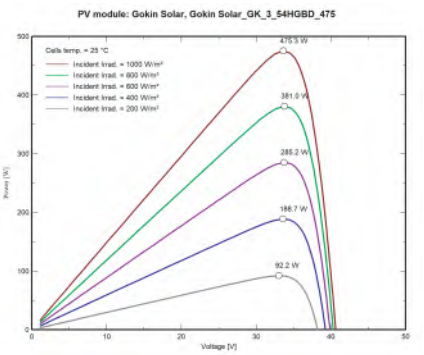


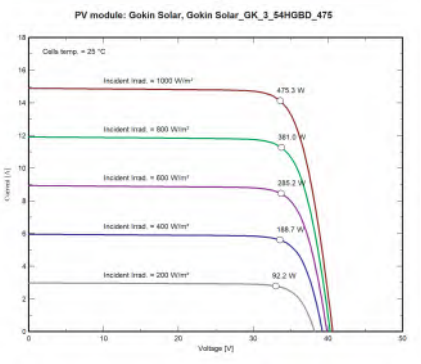
Temperature Ratings (STC)

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

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

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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.