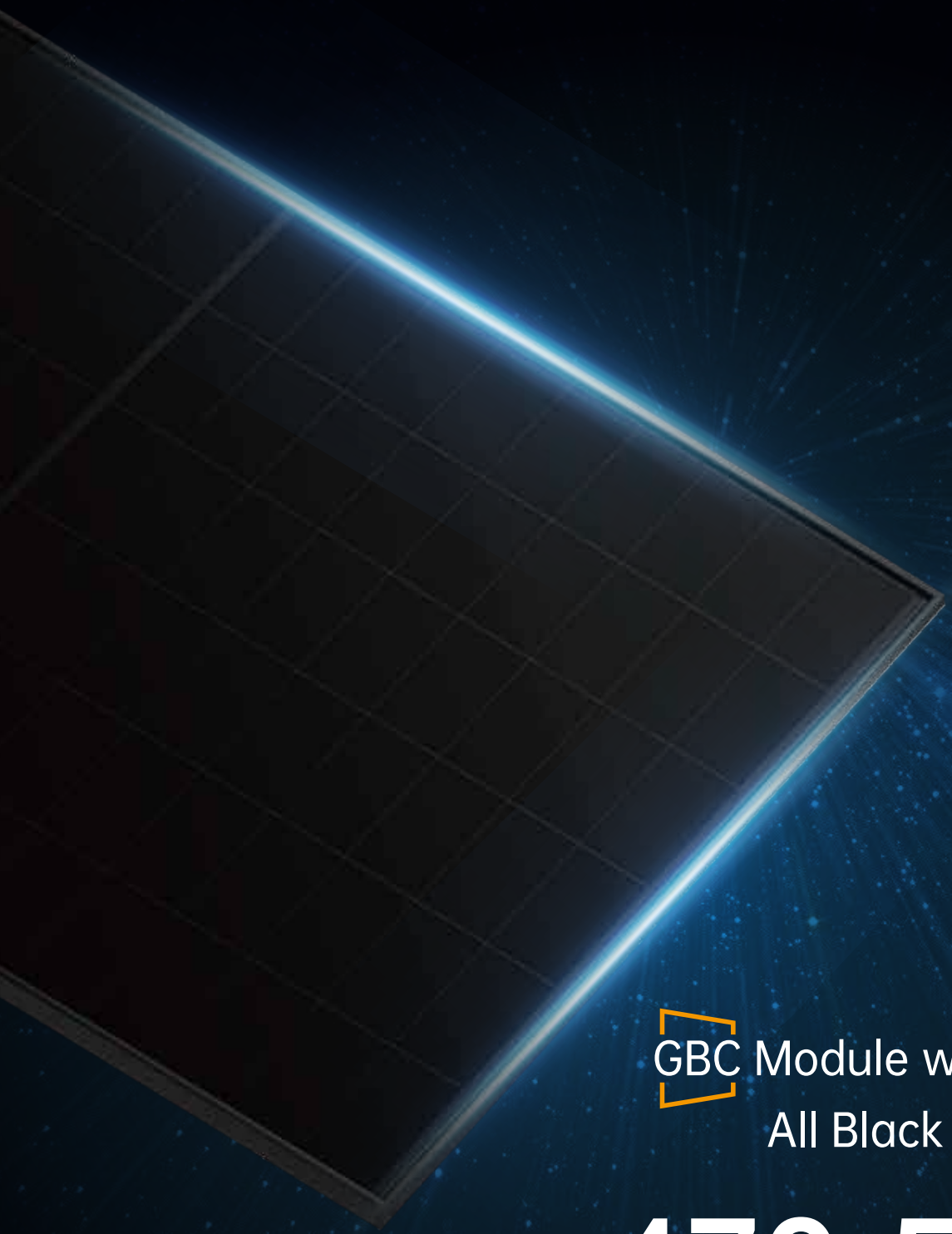
Gokin



GBC Module with Dual Glass
All Black GK-3-54HGDb

470-500W

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

24.5%
Module Efficiency up to

≤1% First-year Degradation
≤0.35% Annual Degradation

15 year Product Warranty

30 year Linear Power Warranty

TÜVRheinland®

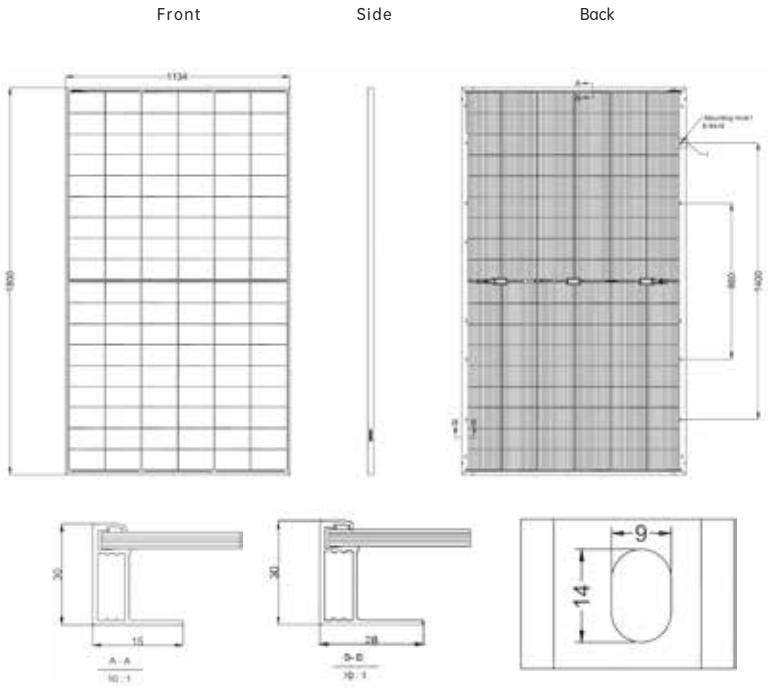
CE

- Operating Temperature -40°C ~ +85°C
- Power Tolerance 0~+3%
- Junction Box IP68
- NOCT 45±2°C
- Maximum Series Fuse Rating 25A
- Bifacial Factor 70±5%
- 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	Black anodized aluminum
Output Cables	TüV 1×4mm², (+)300mm, (-)200mm or Customized Length
Weight	24.8kg (54.67lbs)
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 A

Engineering Drawings

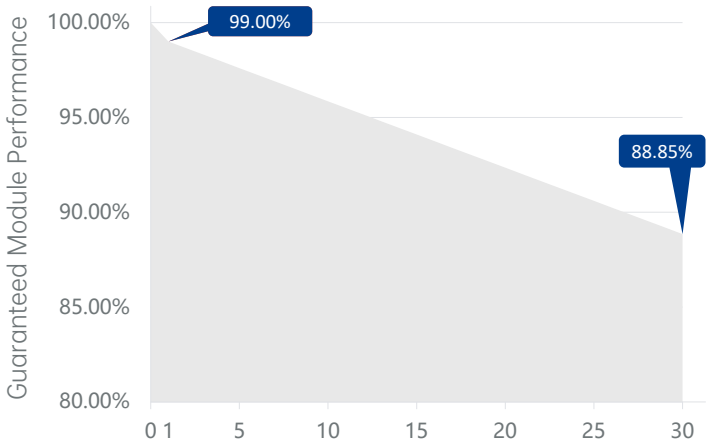


* L:±2mm W:±2mm Unit:mm

Electrical Characteristics (STC Test)

Module Type	GK-3-54HGDb-470M		GK-3-54HGDb-475M		GK-3-54HGDb-480M		GK-3-54HGDb-485M		GK-3-54HGDb-490M		GK-3-54HGDb-495M		GK-3-54HGDb-500M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	470	357	475	361	480	364	485	368	490	372	495	375	500	379
Open-circuit Voltage (Voc/V)	40.50	38.42	40.63	38.55	40.76	38.67	40.89	38.80	41.02	38.92	41.15	39.04	41.28	39.16
Maximum Power Voltage (Vmp/V)	33.64	31.92	33.74	32.01	33.84	31.11	33.94	32.20	34.04	32.30	34.14	32.40	34.24	32.49
Short-circuit Current (Isc/A)	14.82	11.97	14.89	12.03	14.96	12.09	15.03	12.15	15.10	12.21	15.17	12.26	15.24	12.32
Maximum Power Current (Imp/A)	13.98	11.17	14.09	11.27	14.19	11.35	14.30	11.44	14.40	11.51	14.50	11.59	14.60	11.67
Module Efficiency (%)	23.0		23.3		23.5		23.8		24.0		24.3		24.5	

1、STC: Irradiance 1000W/M², Cell Temperature25℃, AM=1.5 2、NOCT: Irradiance 800W/M², Ambient Temperature 20℃, AM=1.5, Wind Speed 1M/S



Temperature Ratings (STC)

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

Mechanical Loading

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

Gokin

Gokin Solar Co., Ltd.
https://www.gokinsolar.com
gk@gokinsolar.com
Office 1102, No. 58 Huajin Street, Hengqin Free Trade Zone, Zhuhai City, Guangdong Province, China.
Product data is updated as of Nov. 2024. Gokin Solar Co., Ltd. reserves the right to change specifications.