Gokin

GBC Module with Dual Glass Full-screen All Black

GK-3-54HGFDb

480-500W

Full-screen

High Efficiency

Anti-fire

Anti-covering

25 Years Product Warranty

30 Years Linear Power Warranty

24.5%
Module Efficiency up to

≤1% First-year Degradation

≤0.35% Annual Degradation

TÜVRheinland CERTIFIED

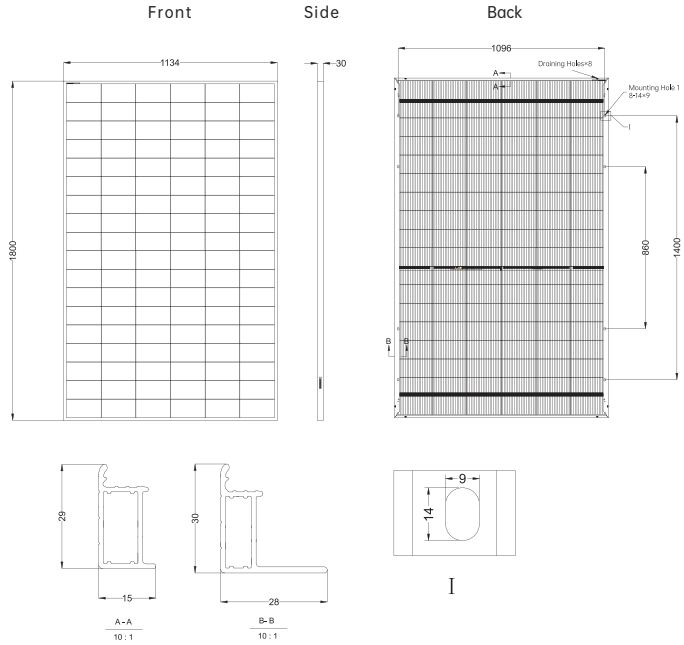
CE

- Operating Temperature -40℃ ~ +85℃
- Power Tolerance 0~+3%
- Junction Box IP68
- NOCT 45±2℃
- 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	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 C

Engineering Drawings

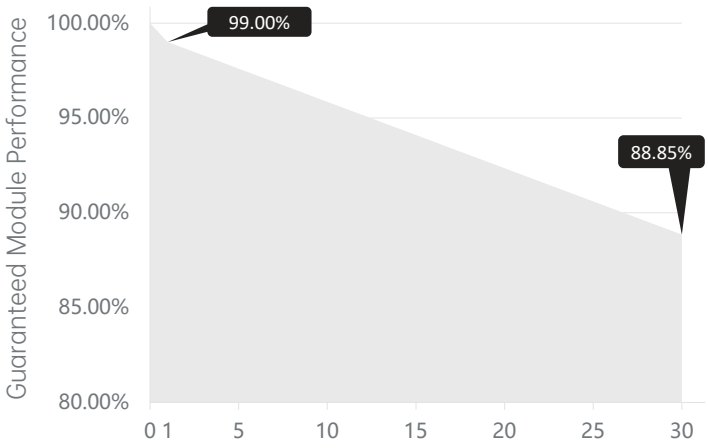


* L:±2mm W:±2mm Unit:mm

Electrical Characteristics (STC Test)

Module Type	GK-3-54HGFDb-480M		GK-3-54HGFDb-485M		GK-3-54HGFDb-490M		GK-3-54HGFDb-495M		GK-3-54HGFDb-500M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	480	365	485	369	490	373	495	377	500	381
Open-circuit Voltage (Voc/V)	40.44	37.98	40.54	38.08	40.64	38.18	40.74	38.28	40.84	38.38
Maximum Power Voltage (Vmp/V)	35.14	31.98	35.24	32.08	35.34	32.18	35.44	32.28	35.54	32.38
Short-circuit Current (Isc/A)	14.78	12.12	14.88	12.18	14.98	12.24	15.08	12.30	15.18	12.36
Maximum Power Current (Imp/A)	13.67	11.42	13.77	11.51	13.88	11.60	13.98	11.69	14.08	11.78
Module Efficiency (%)	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

GK-3-54HGFDb-AB-DG-F1 EN

© Gokin Solar Co., Ltd. All rights reserved.

Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.

Production Base: No.1 Hejin Avenue, Automotive Industry Base, Huadu District Guangzhou City, Guangdong Province
www.gokinsolar.com gk@gokinsolar.com