

Gokin

GBC Module with Dual Glass
Full-screen Mystic Black
GK-3-54HGFD**b**

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

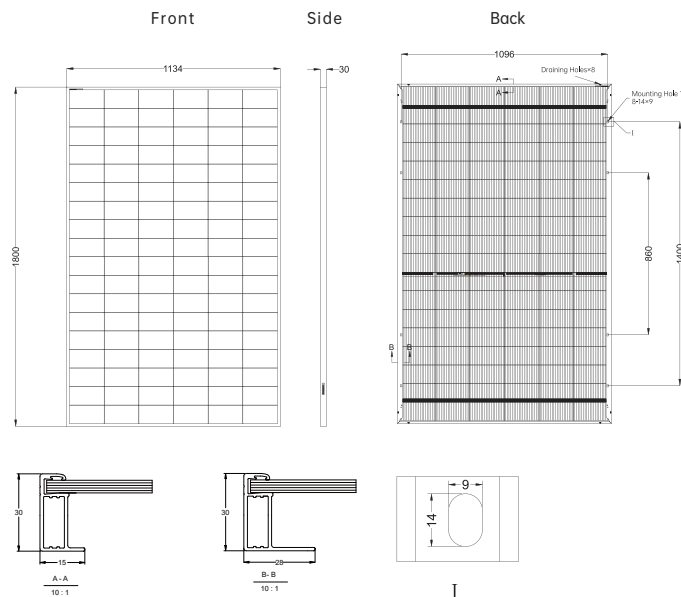


- Operating Temperature **-40°C ~ +70°C**
- Power Tolerance **0~+3%**
- Junction Box **IP68**
- NOCT **45±2°C**
- Maximum Series Fuse Rating **30A**
- Maximum System Voltage **1500V(IEC)**

Mechanical Parameters

Cell Type	GBC
No. of cells	108 (6×18)
Glass	Dual glass, 2.0+2.0mm coated semi tempered glass
Frame	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



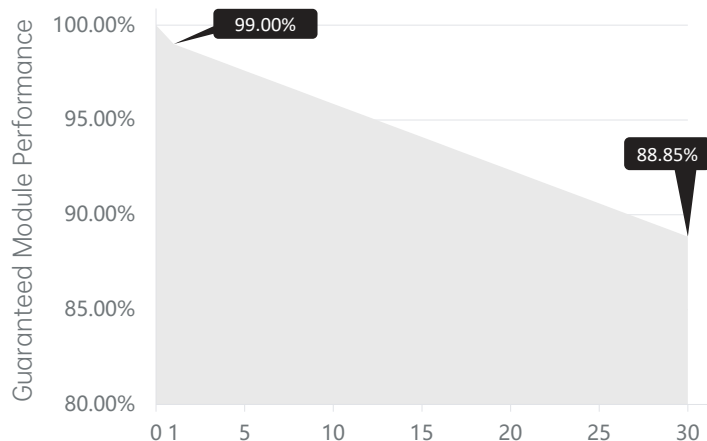
* L:±2mm W:±2mm Unit:mm

Electrical Characteristics (STC Test)

Module Type	GK-3-54HGFDdb-480M		GK-3-54HGFDdb-485M		GK-3-54HGFDdb-490M		GK-3-54HGFDdb-495M		GK-3-54HGFDdb-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 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 Loading

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