

Gokin

GBC Module with Full-screen Single Glass
GK-3-54HGF

480-500W



Full-screen



High Efficiency



Anti-fire



Anti-covering



15 Years Product Warranty



30 Years Linear Power Warranty



24.5%

Module Efficiency up to

≤1% First-year Degradation

≤0.35% Annual Degradation

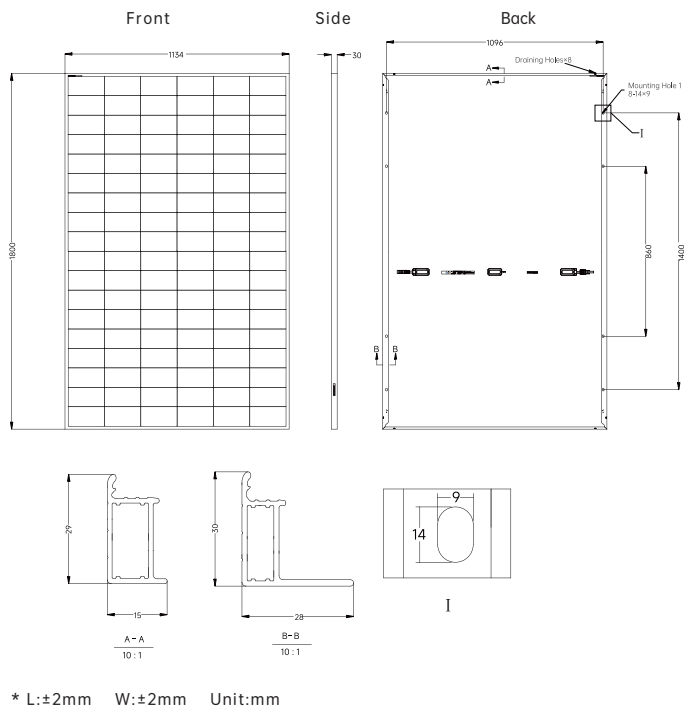


- Operating Temperature **-40°C ~ +85°C**
- Power Tolerance **0~+3%**
- Junction Box **IP68**
- NOCT **45±2°C**
- Maximum Series Fuse Rating **25A**
- Maximum System Voltage **DC 1500V(IEC)**

Mechanical Parameters

Cell Type	GBC
No. of cells	108 (6×18)
Glass	3.2 mm tempered glass
Frame	Black anodized aluminum
Output Cables	TüV 1×4mm², (+)300mm, (-)200mm or Customized Length
Weight	21.4kg (47.18lbs)
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

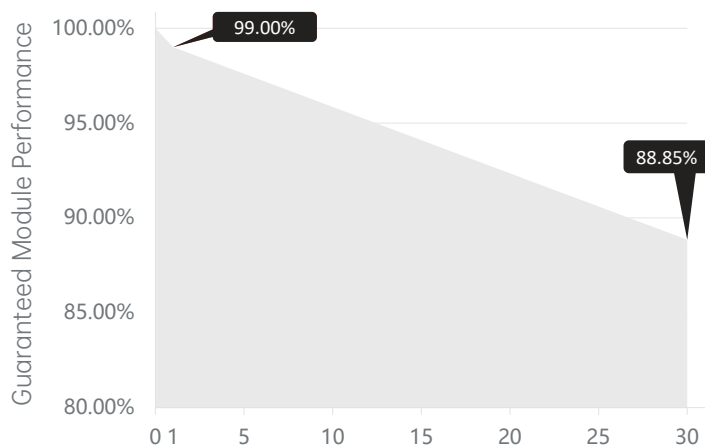


Electrical Characteristics (STC Test)

Module Type	GK-3-54HGF-480M		GK-3-54HGF-485M		GK-3-54HGF-490M		GK-3-54HGF-495M		GK-3-54HGF-500M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	480	360	485	364	490	367	495	371	500	375
Open-circuit Voltage (Voc/V)	40.27	37.88	40.37	37.98	40.47	38.08	40.57	38.16	40.67	38.26
Maximum Power Voltage (Vmp/V)	33.78	31.88	33.88	32.04	33.99	32.15	34.10	32.26	34.21	32.37
Short-circuit Current (Isc/A)	15.03	12.06	15.09	12.12	15.15	12.18	15.21	12.24	15.27	12.30
Maximum Power Current (Imp/A)	14.21	11.32	14.32	11.38	14.42	11.44	14.52	11.50	14.62	11.56
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