

Gokin

GBC Module with Single Glass
Full-screen Mystic Black
GK-3-54HGFb

495-510W



Full-screen



High Efficiency



Anti-fire



Anti-covering



25 Years Product Warranty



30 Years Linear Power Warranty



25.0%

Module Efficiency up to

≤1% First-year Degradation

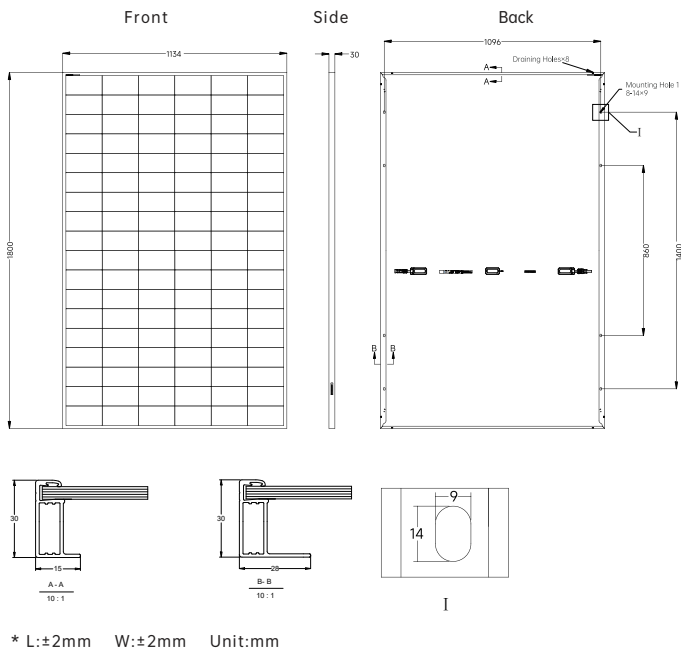
≤0.35% Annual Degradation



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	Staubli Electrical Connectors AG – MC4 EVO2 Series PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy
Packaging	36 pcs per pallet 216 pcs per 20' GP, 864 pcs per 40' HC
Fire Rating	IEC Class C

Engineering Drawings



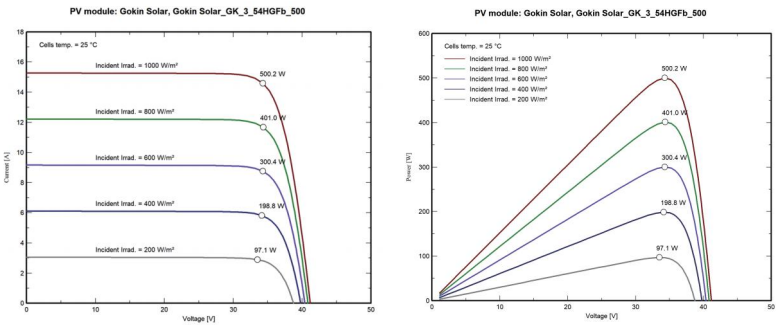
Electrical Characteristics (STC Test)

Module Type	GK-3-54HGFb-495M		GK-3-54HGFb-500M		GK-3-54HGFb-505M		GK-3-54HGFb-510M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	495	377	500	381	505	385	510	389
Open-circuit Voltage (Voc/V)	40.74	38.28	40.84	38.38	40.94	38.48	41.04	38.58
Maximum Power Voltage (Vmp/V)	35.44	32.28	35.54	32.38	35.64	32.48	35.74	32.58
Short-circuit Current (Isc/A)	15.08	12.30	15.18	12.36	15.28	12.42	15.38	12.48
Maximum Power Current (Imp/A)	13.98	11.69	14.08	11.78	14.18	11.87	14.28	11.96
Module Efficiency (%)	24.3		24.5		24.7		25.0	

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

Working Parameters

T ₉₈ max	70°C
Operating Temperature	-40°C~+70°C
Maximum Series Fuse Rating	25A
Protection Class	Class II
Power Binning Tolerance	-5~+10W
P _{max} and V _{oc} and I _{sc} Tolerance	±3%
Maximum System Voltage	1500V(IEC)
Mechanical Loading	5400Pa Front Side Max Static Test Load 2400Pa Rear Side Max Static Test Load
Hail Test	25mm hailstone at 23m/s
Junction Box	IP68



Temperature Ratings (STC)

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