Gokin

GBC Module with Full-screen Dual Glass
GK-3-54HGFBD

490-500W



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

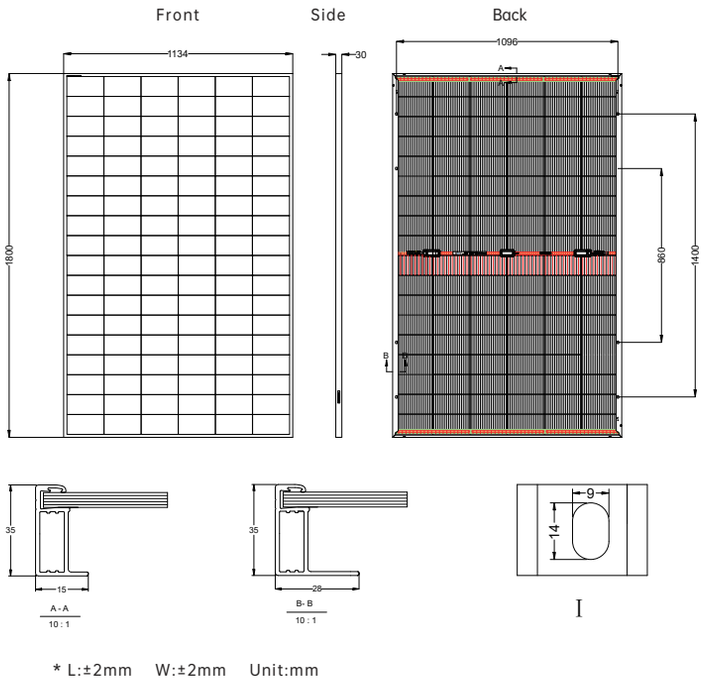
≤0.35% Annual Degradation

IEC 61215
IEC 61730
Regular Production Surveillance
www.tuv.com
ID 1111297431

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	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 A

Engineering Drawings



* L:±2mm W:±2mm Unit:mm

Electrical Characteristics (STC Test)

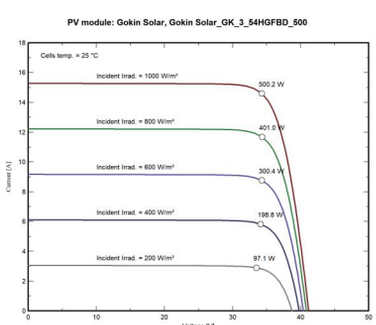
φVoc=100%±5%, φIsc=40%±5%, φPmax=40%±5%

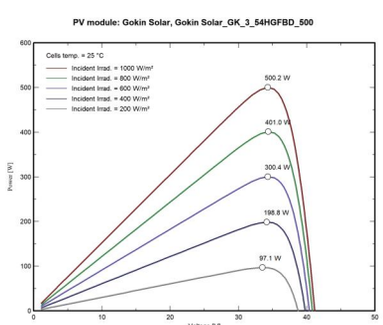
Module Type	GK-3-54HGFBD-490M			GK-3-54HGFBD-495M			GK-3-54HGFBD-500M		
Testing Condition	STC	BNPI	BSI	STC	BNPI	BSI	STC	BNPI	BSI
Maximum Power (Pmax/W)	490	515	/	495	520	/	500	525	/
Open-circuit Voltage (Voc/V)	40.64	40.64	/	40.74	40.74	/	40.84	40.84	/
Maximum Power Voltage (Vmp/V)	35.34	35.34	/	35.44	35.44	/	35.54	35.54	/
Short-circuit Current (Isc/A)	14.98	15.76	16.86	15.08	15.86	16.91	15.18	15.96	16.96
Maximum Power Current (Imp/A)	13.88	14.58	/	13.98	14.68	/	14.08	14.78	/
Module Efficiency (%)	24.0			24.3			24.5		

1、STC: Irradiance 1000W/M², Cell Temperature25℃, AM=1.5； 2、BNPI: Irradiance of front 1000W/M², rear 135W/M²； 3、BSI: Irradiance of front 1000W/M², rear 300W/M²

Working Parameters

T_{98} max	70℃
Operating Temperature	-40℃~+70℃
Maximum Series Fuse Rating	30A
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%/℃
Temperature Coefficient of Voc	- 0.22%/℃
Temperature Coefficient of Pmax	- 0.26%/℃

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GK-3-54HGFBD-BF-DG-CEC

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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.

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*Made in China