Gokin

GBC Module with Full-screen Dual Glass

GK-3-54HGFBD

490-515W



Full-screen

High Efficiency

Anti-fire

Anti-covering

25 Years Product Warranty

30 Years Linear Power Warranty

25.2%
Module Efficiency up to

≤1% First-year Degradation

≤0.35% Annual Degradation

HW3 certified

TÜVRheinland CERTIFIED

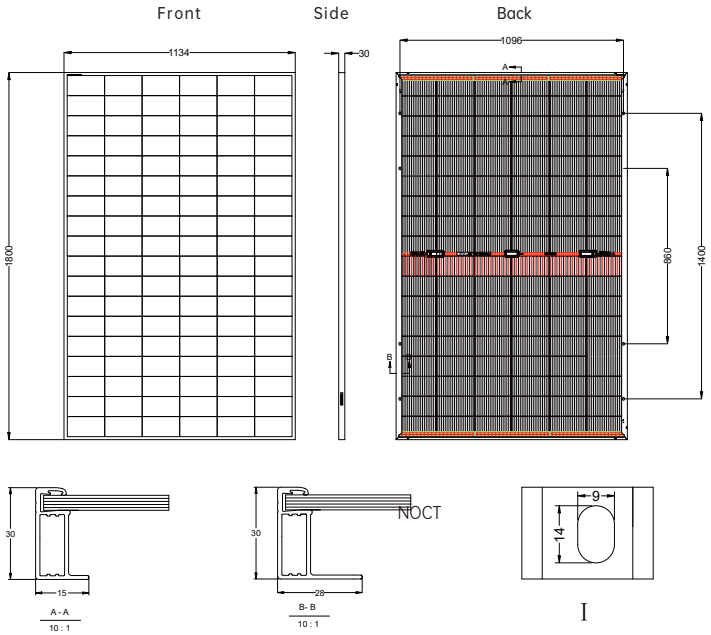
CE

- Operating Temperature -40℃~+70℃
- Power Tolerance 0~+3%
- Junction Box IP68
- NOCT 45±2℃
- Maximum Series Fuse Rating 30A
- Maximum System Voltage DC 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	36 pcs per pallet 216 pcs per 20' GP, 864 pcs per 40' HC
Protection Class	Class II
Fire Rating	IEC Class C

Engineering Drawings

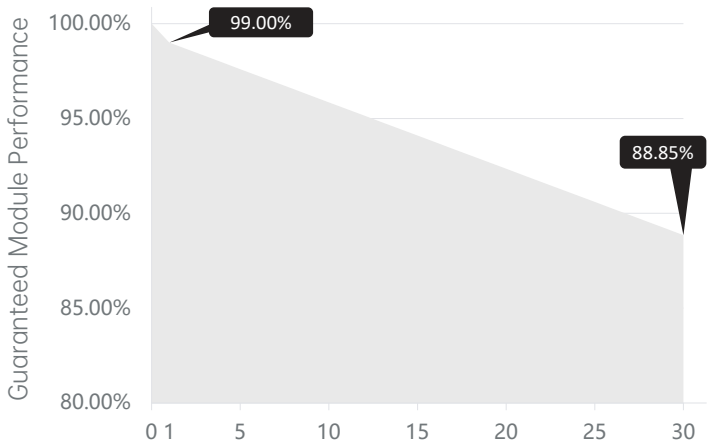


* L:±2mm W:±2mm Unit:mm

Electrical Characteristics (STC Test)

Module Type	GK-3-54HGFBD-490M		GK-3-54HGFBD-495M		GK-3-54HGFBD-500M		GK-3-54HGFBD-505M		GK-3-54HGFBD-510M		GK-3-54HGFBD-515M	
Testing Condition	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax/W)	490	515	495	520	500	525	505	530	510	535	515	540
Open-circuit Voltage (Voc/V)	40.64	40.64	40.74	40.74	40.84	40.84	40.94	40.94	41.04	41.04	41.14	41.14
Maximum Power Voltage (Vmp/V)	35.34	35.34	35.44	35.44	35.54	35.54	35.64	35.64	35.74	35.74	35.84	35.84
Short-circuit Current (Isc/A)	14.98	15.76	15.08	15.86	15.18	15.96	15.28	16.06	15.38	16.16	15.48	16.26
Maximum Power Current (Imp/A)	13.88	14.58	13.98	14.68	14.08	14.78	14.18	14.88	14.28	14.98	14.38	15.08
Module Efficiency (%)	24.0		24.3		24.5		24.7		25.0		25.2	

1、STC:Irradiance1000W/M²,CellTemperature25°C,AM=1.5 2、BNPI:Irradiance :front side 1000 W/M², rear side 135 W/M²,AmbientTemperature25℃, AM=1.5



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

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GK-3-54HGFBD-BF-DG-F1 EN

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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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