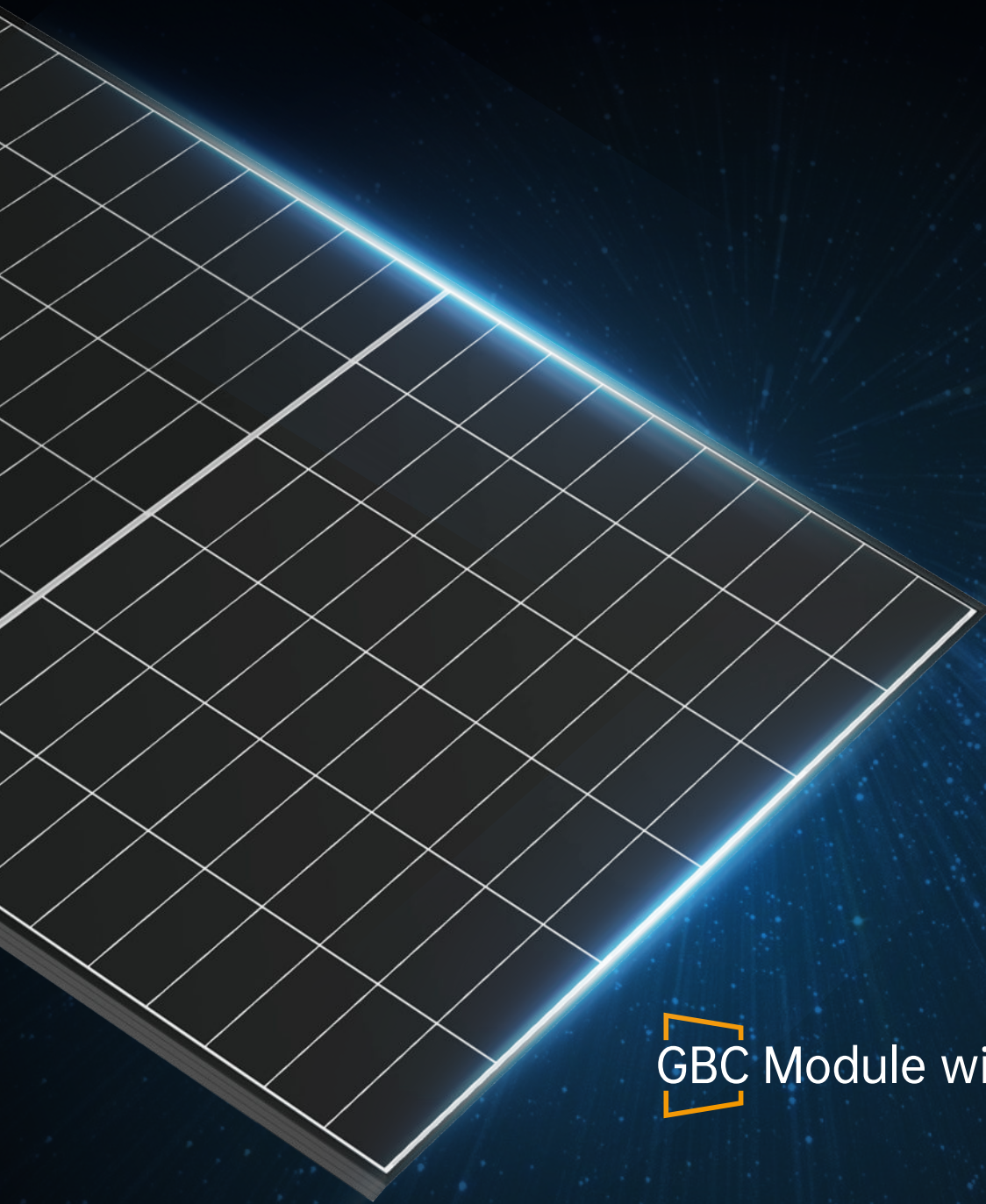


Gokin



GBC Module with Single Glass
GK-1-60HG

500-530W

-  Superior Temperature coefficient
-  Higher Generated Energy
-  Higher Reliability
-  Lower BOS
-  Excellent Micro-crack Resistance
-  High Temperature Restriction
-  Partial Shading Optimisation
-  Extraordinary Aesthetic Design

24.5%

Module Efficiency up to

≤1% First-year Degradation

≤0.35% Annual Degradation



Product Warranty



Linear Power Warranty



- Operating Temperature

-40℃ ~ +85℃
- Power Tolerance

0~+3%
- Junction Box

IP68
- NOCT

45±2℃
- Maximum Series Fuse Rating

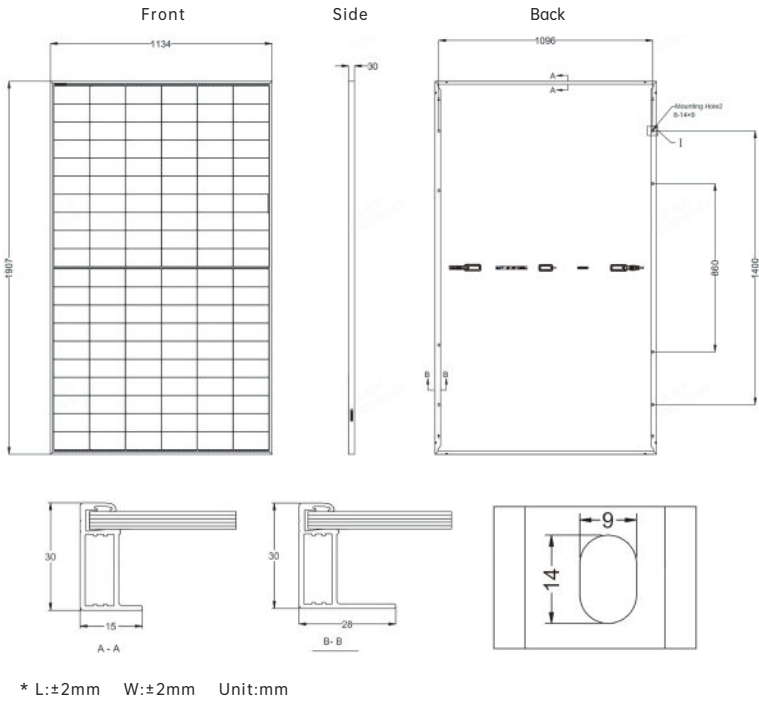
25A
- Maximum System Voltage

1500V(IEC)

Mechanical Parameters

Cell Type	GBC
No. of cells	120 (6×20)
Glass	3.2 mm tempered glass
Frame	Anodized aluminum
Output Cables	TüV 1×4mm², (+)300mm, (-) 200mm or Customized Length
Weight	22.6kg (49.82lbs)
Dimension	1907×1134×30mm
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

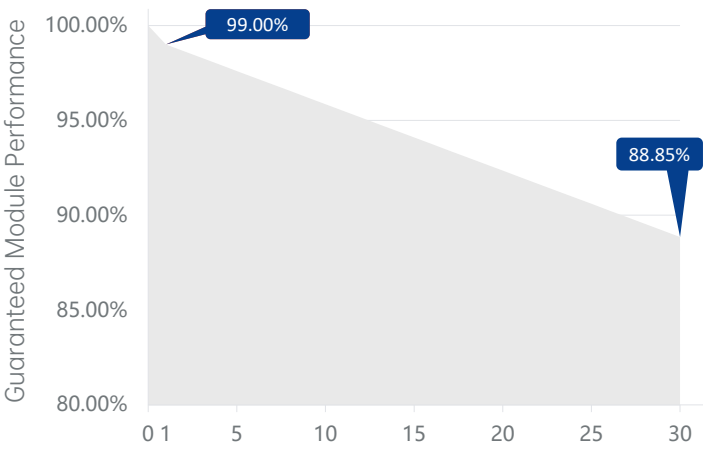
Engineering Drawings



Electrical Characteristics (STC Test)

Module Type	GK-1-60HG-500M		GK-1-60HG-505M		GK-1-60HG-510M		GK-1-60HG-515M		GK-1-60HG-520M		GK-1-60HG-525M		GK-1-60HG-530M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	500	377	505	381	510	384	515	388	520	392	525	396	530	400
Open-circuit Voltage (Voc/V)	45.02	42.51	45.12	42.61	45.22	42.70	45.32	42.79	45.42	42.89	45.52	42.98	45.62	43.08
Maximum Power Voltage (Vmp/V)	37.90	35.79	38.00	35.89	38.10	35.98	38.20	36.08	38.30	36.17	38.40	36.27	38.50	36.36
Short-circuit Current (Isc/A)	14.05	11.36	14.11	11.41	14.17	11.46	14.23	11.51	14.29	11.56	14.35	11.60	14.41	11.65
Maximum Power Current (Imp/A)	13.20	10.53	13.30	10.61	13.39	10.69	13.49	10.77	13.58	10.84	13.68	10.92	13.77	10.99
Module Efficiency (%)	23.1		23.4		23.6		23.8		24.0		24.3		24.5	

1、STC: Irradiance 1000W/M², Cell Temperature25℃, AM=1.5 2、NOCT: Irradiance 800W/M², Ambient Temperature 20℃, AM=1.5, Wind Speed 1M/S



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

