

Gokin

GBC Module with Dual Glass
Full-cell GK-4-66HGBD

645-670W



High Power



High Efficiency



Anti-fire



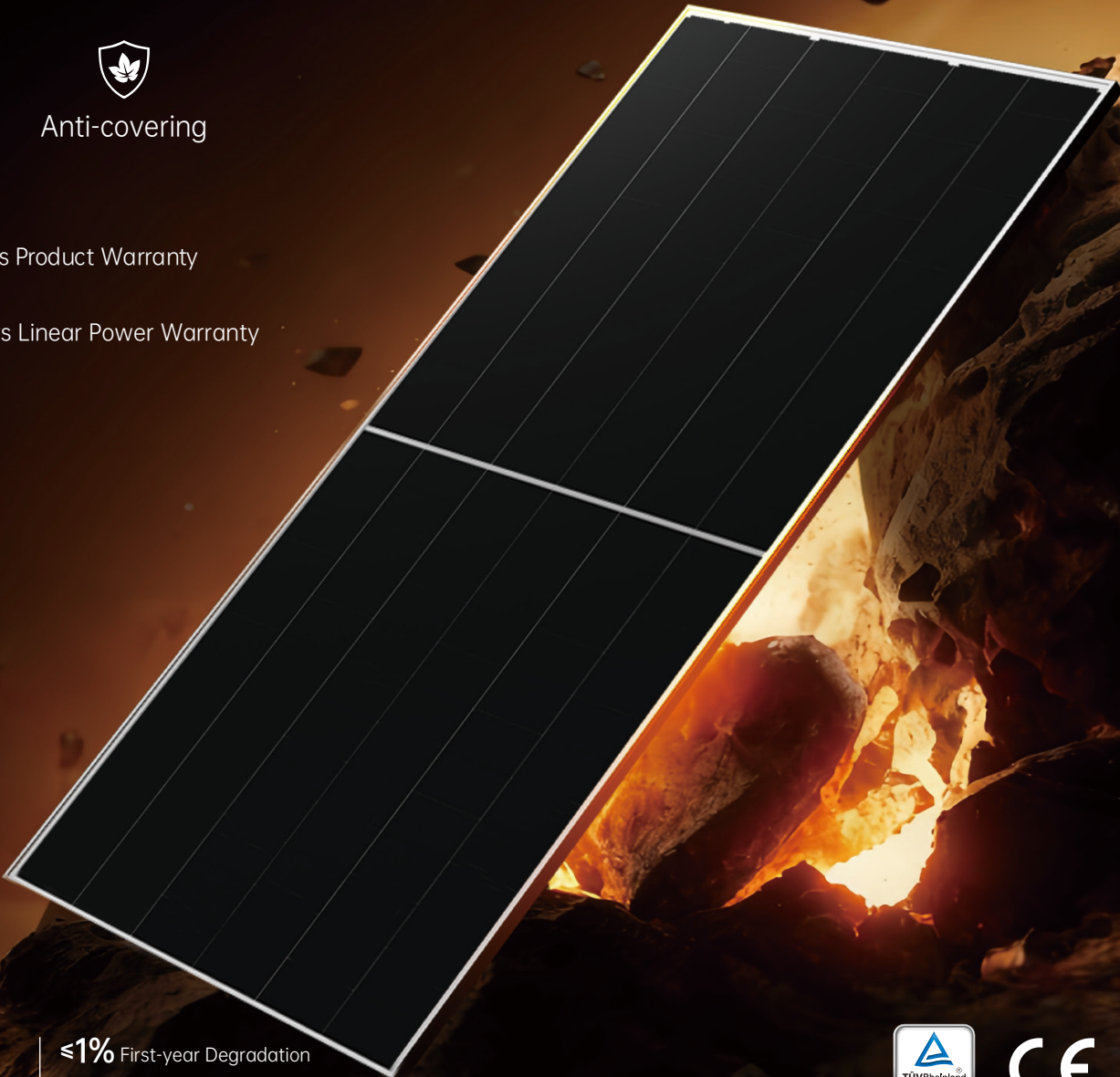
Anti-covering



15 Years Product Warranty



30 Years Linear Power Warranty



24.8%

Module Efficiency up to

≤1% First-year Degradation

≤0.35% Annual Degradation

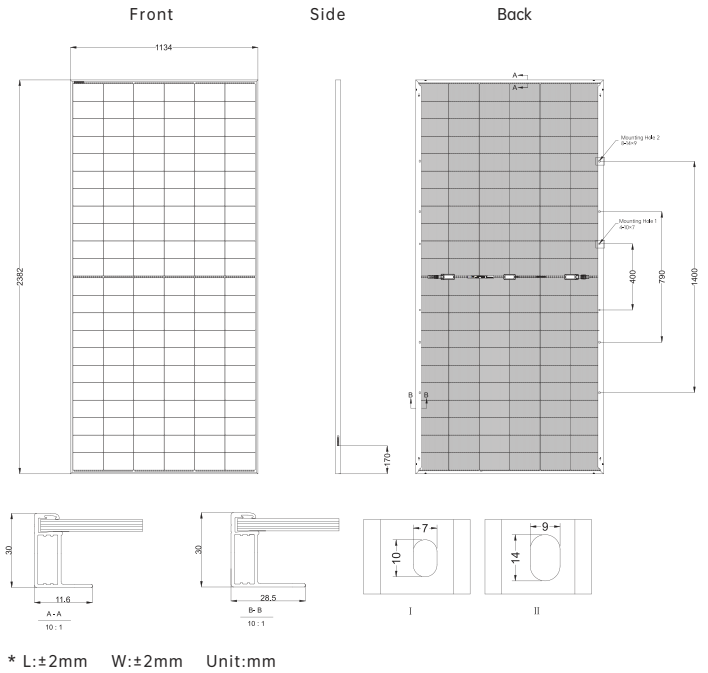


- Operating Temperature $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Power Tolerance $0 \sim +3\%$
- Junction Box IP68
- NOCT $45 \pm 2^{\circ}\text{C}$
- Maximum Series Fuse Rating **30A**
- Maximum System Voltage **1500V(IEC)**

Mechanical Parameters

Cell Type	GBC
No. of cells	132 (6×22)
Glass	Dual glass, 2.0+2.0mm Heat Strengthened Glass
Frame	Anodized aluminum
Output Cables	TÜV 1×4mm, (+)300mm, (-)200mm or Customized Length
Weight	32.3kg (71.21lbs)
Dimension	2382×1134×30mm
Connector	MC4 Compatible/MC4-Evo2
Packaging	37 pcs per pallet 148 pcs per 20' GP, 740 pcs per 40' HC
Protection Class	Class II
Fire Rating	IEC Class C

Engineering Drawings

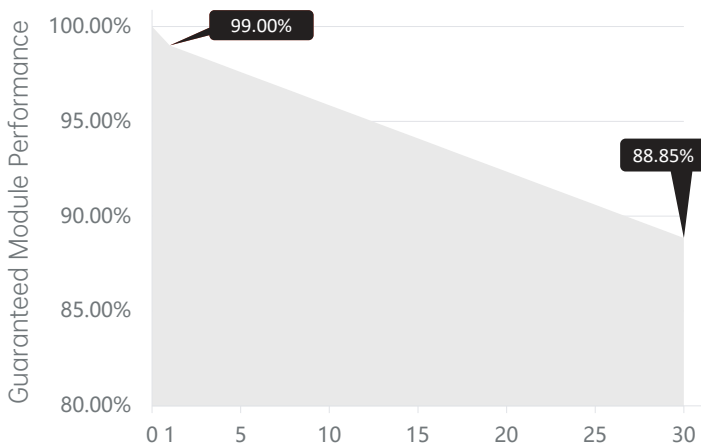


Electrical Characteristics (STC Test)

Module Type	GK-4-66HGBD-645M		GK-4-66HGBD-650M		GK-4-66HGBD-655M		GK-4-66HGBD-660M		GK-4-66HGBD-665M		GK-4-66HGBD-670M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	645	491	650	495	655	499	660	503	665	507	670	511
Open-circuit Voltage (Voc/V)	49.60	47.42	49.70	47.52	49.80	47.62	49.90	47.72	50.00	47.82	50.10	47.91
Maximum Power Voltage (Vmp/V)	40.60	38.88	40.69	38.98	40.80	39.08	40.90	39.18	41.00	39.28	41.11	39.38
Short-circuit Current (Isc/A)	16.55	13.36	16.64	13.42	16.72	13.48	16.80	13.54	16.88	13.60	16.96	13.66
Maximum Power Current (Imp/A)	15.89	12.64	15.98	12.71	16.06	12.77	16.14	12.83	16.22	12.90	16.30	12.96
Module Efficiency (%)	23.8		24.0		24.2		24.4		24.6		24.8	

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 $+0.05\%/^{\circ}\text{C}$

Temperature Coefficient of Voc $-0.22\%/^{\circ}\text{C}$

Temperature Coefficient of Pmax $-0.26\%/^{\circ}\text{C}$

Mechanical Loading

Front Side Maximum Static Loading 5400Pa

Rear Side Maximum Static Loading 2400Pa

Hailstone Test 25 mm diameter hail at 23 m/s