

Gokin

TOPCon Bifacial Module with Dual Glass

GK-2-66HTBD-F | Half-cut | 132cells

705-735W

23.7%

Module Efficiency up to

≤1% First-year Degradation

≤0.4% Annual Degradation



High Efficiency

Module efficiency up to 23.7% based on N-Type wafer and TOPCon technology



Anti-degradation

Unsusceptible to LID, LeTID and less annual degradation due to special characteristics of N-Type



Excellent Energy Yield

More power output in field operation due to better thermal behaviors, weak-light performance and bifaciality



Quality Guarantee

High module quality ensures long-term reliability

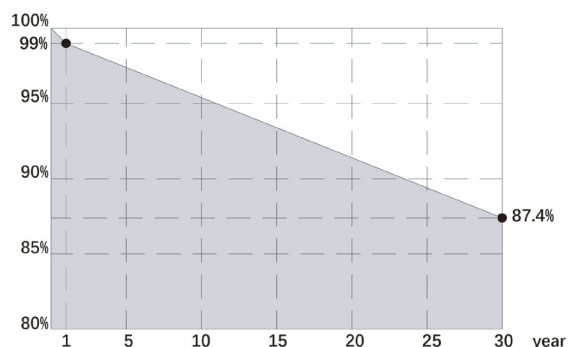


15 Years Product Warranty



30 Years Linear Power Warranty

Linear Performance Warranty



At least 99% of nominal power during first year;
Thereafter max.0.4% degradation per year;
At least 87.4% of nominal power up to 30 years.



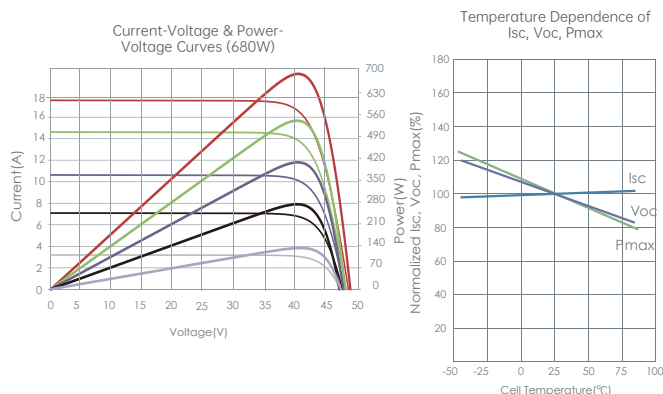
IEC 61215(2021) / IEC 61730(2023)
ISO 9001: 2015: ISO Quality Management System
Anti-PID / Ammonia / Salt-mist / Dust and sand

- Operating Temperature **-40°C ~ +85°C**
- Power Tolerance **0~+5W**
- Junction Box **IP68**
- NOCT **45±2°C**
- Maximum Series Fuse Rating **35A**
- Bifacial Factor **80±5%**
- Maximum System Voltage **1500V(IEC)**

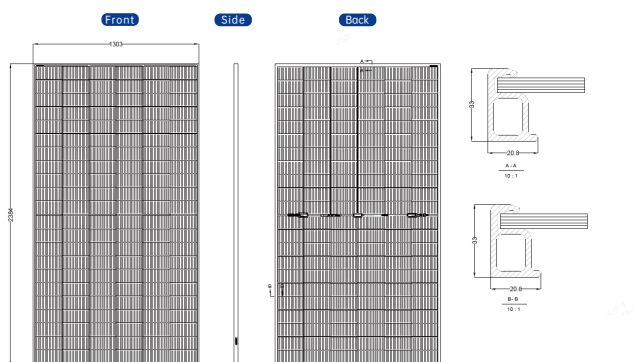
Mechanical Parameters

Cell Type	TOPCon
No. of cells	132 (2×66)
Output Cables	TüV 1×4mm ²
	(+)350mm,(-)280mm in length or customized length
Glass	Front: 2.0mm, AR-coating, semi-tempered
	Rear: 2.0mm, semi-tempered
Frame	Fiberglass
Weight	37.922kg (83.6lbs)
Dimension	2384×1303×33mm
Packaging	33 pcs per pallet
	Package size(mm): 2405×1120×1428
	132 pcs per 20' HC, 594 pcs per 40' HC
Protection Class	Class II

Electrical Performance



Engineering Drawings



* Length:±2mm Width:±2mm Height:±1mm Row Pitch:±2mm

Electrical Characteristics (STC Test)

Module Type	GK-2-66HTBD-F-705M		GK-2-66HTBD-F-710M		GK-2-66HTBD-F-715M		GK-2-66HTBD-F-720M		GK-2-66HTBD-F-725M		GK-2-66HTBD-F-730M		GK-2-66HTBD-F-735M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	705	532	710	536	715	540	720	543	725	547	730	551	735	555
Open-circuit Voltage (Voc/V)	48.68	46.20	48.91	46.38	49.14	46.56	49.36	46.74	49.55	46.92	49.71	47.10	49.87	47.28
Short-circuit Current (Isc/A)	18.11	14.61	18.15	14.65	18.19	14.68	18.24	14.71	18.32	14.74	18.38	14.77	18.44	14.80
Maximum Power Voltage (Vmp/V)	41.29	38.97	41.50	39.12	41.69	39.27	41.91	39.38	42.10	39.55	42.25	39.74	42.39	39.93
Maximum Power Current (Imp/A)	17.07	13.65	17.11	13.70	17.15	13.75	17.18	13.79	17.22	13.83	17.28	13.86	17.34	13.89
Module Efficiency (%)	22.7		22.9		23.0		23.2		23.3		23.5		23.7	

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

Different Rearside Power Gain (Reference to 715W)

Rearside Power Gain	5%	10%	20%
Maximum Power at STC (Pmax)	750.8	786.5	858.0
Open-circuit Voltage (Voc/V)	49.1	49.1	49.1
Short-circuit Current (Isc/A)	19.1	20.0	21.8
Maximum Power Voltage (Vmp/V)	41.7	41.7	41.7
Maximum Power Current (Imp/A)	18.0	18.9	20.6
Module Efficiency (%)	24.2	25.3	27.6

Temperature Ratings (STC)

Temperature coefficient of Isc	+0.045%/°C
Temperature coefficient of Voc	-0.25%/°C
Temperature coefficient of Pmax	-0.29%/°C

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm hailstone at 23m/s

