Gokin

FLAMINGO

775-800W

Supreme Quality

High Efficiency

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

Excellent Energy Yield

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

Anti-degradation

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

Quality Guarantee

High module quality ensures long-term reliability

Module Characteristics

12-Year	30-Year	1%	0.4%
Product Warranty	Linear Power Warranty	First Year Degradation	Annual Power Degradation

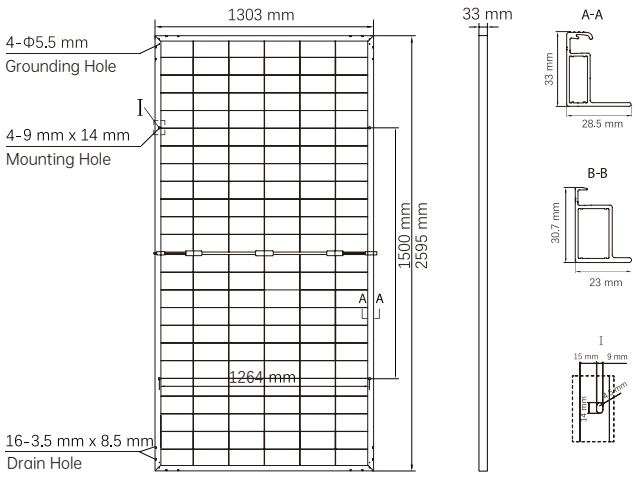
IEC 61215(2021) / IEC 61730(2023)
ISO 9001: 2015: ISO Quality Management System
Anti-PID / Ammonia / Salt-mist / Dust and sand
Made in China

800W	23.7%	1%	0.4%
Maximum Power	Highest Conversion Efficiency	First Year Degradation	2-30 Years Annual Power Attenuation

Mechanical Parameters

Cell Type	N-Type TOPCon
No. of cells	144 (6×24)
Output Cables	TüV 1×4mm²
	(+)350mm,(-)280mm in length or customized length
Glass	Front: 2.0mm, AR-coating, semi-tempered
	Rear: 2.0mm, semi-tempered
Frame	Anodized aluminum alloy frame
Weight	40 kg(88.19lbs)
Dimension	2595×1303×33mm
Packaging	33 pcs per pallet
	693 pcs per 17.5' HC
Protection Class	Class II

Engineering Drawings



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

Electrical Characteristics (STC Test)

Module Type	GK-2-72HTBD-775M		GK-2-72HTBD-780M		GK-2-72HTBD-785M		GK-2-72HTBD-790M		GK-2-72HTBD-795M		GK-2-72HTBD-800M	
Testing Condition	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax/W)	775	855.6	780	861.1	785	866.6	790	872.1	795	877.6	800	883.2
Open-circuit Voltage (Voc/V)	52.72	52.73	52.87	52.88	53.02	53.03	53.17	53.18	53.32	53.33	53.47	53.48
Short-circuit Current (Isc/A)	18.37	20.30	18.43	20.37	18.49	20.44	18.56	20.51	18.62	20.58	18.68	20.65
Maximum Power Voltage (Vmp/V)	44.28	44.29	44.41	44.42	44.54	44.54	44.66	44.67	44.79	44.79	44.91	44.92
Maximum Power Current (Imp/A)	17.50	19.32	17.56	19.39	17.63	19.46	17.69	19.52	17.75	19.59	17.81	19.66
Module Efficiency (%)	22.9		23.1		23.2		23.4		23.5		23.7	

Note: 1、STC: Irradiance 1000W/M², Cell Temperature25℃, AM=1.5 2、BNPI: Front side irradiance 1000 W/m², rear side irradiance 135 W/m², ambient temperature 25 °C, AM=1.5

Different Rearside Power Gain (Reference to 775W)

Rearside Power Gain	5%	10%	20%
Maximum Power at STC (Pmax)	813.8	852.5	930
Open-circuit Voltage (Voc/V)	52.7	52.7	52.7
Short-circuit Current (Isc/A)	19.3	20.2	22.1
Maximum Power Voltage (Vmp/V)	44.3	44.3	44.3
Maximum Power Current (Imp/A)	18.4	19.3	21
Module Efficiency (%)	24.1	25.21	27.5

*The above data is for reference only. When signing a contract, the latest version of the product specification shall prevail.

Working Parameters

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

Temperature Ratings (STC)

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

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa

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GK-2-72HTBD-SF-DG-F1 EN

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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