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

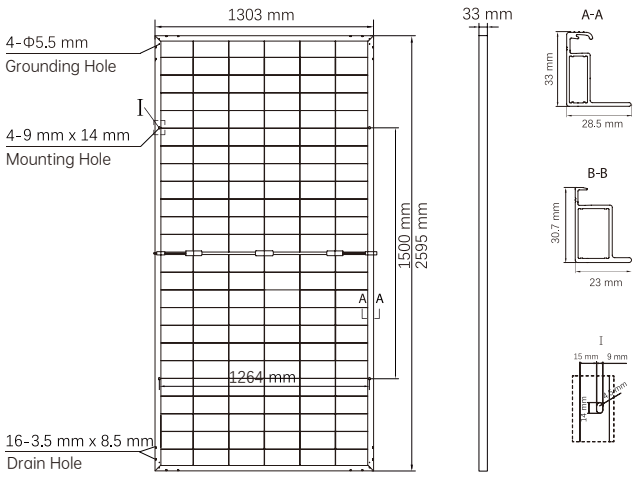
IEC 61215(2021) / IEC 61730(2023)
ISO 9001: 2015: ISO Quality Management System
Anti-PID / Ammonia / Salt-mist / Dust and sand
Made in China

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
	264 pcs per 40' 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

Gokin

GK-2-72HTBD-SF-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.

Production Base: No.1 Hejin Avenue, Automotive Industry Base, Huadu District Guangzhou City, Guangdong Province
www.gokinsolar.com gk@gokinsolar.com