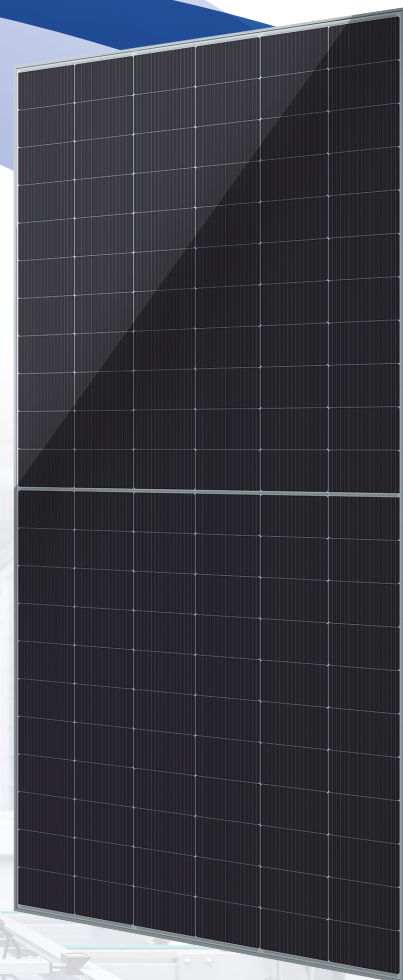


FLAMINGO G12/132D 690-720W



Supreme Quality



High Efficiency

Module efficiency up to 23.2% 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 characteristics of N-Type



Quality Guarantee

High module quality ensures long-term reliability

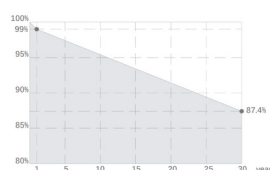
Module Characteristics

15-Year
Product Warranty

30-Year
Linear Power Warranty

1%
First Year Degradation

0.4%
Annual Power Degradation



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

Made in China

720W

Maximum Power

23.2%

Highest Conversion Efficiency

1%

First Year Degradation

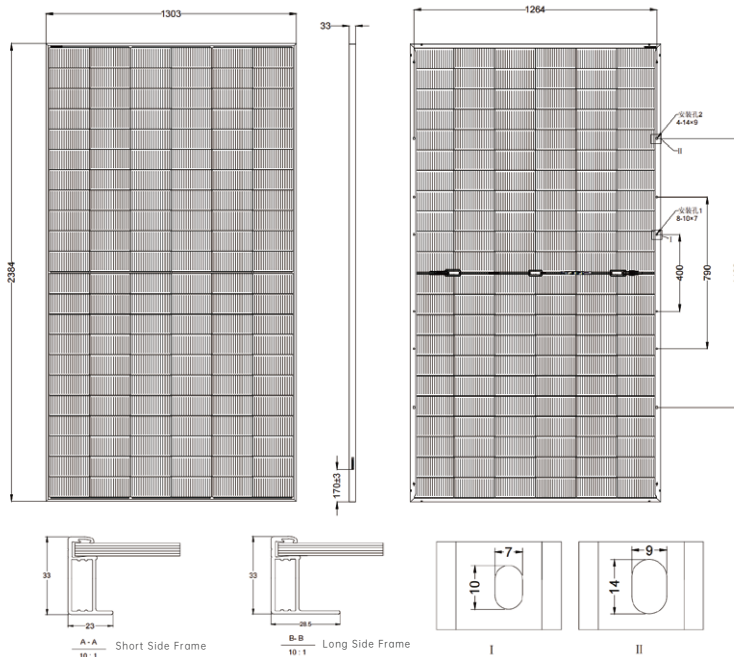
0.4%

2-30 Years Annual Power Attenuation

Mechanical Parameters

Cell Type	N-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	Anodized aluminum alloy frame
Weight	37.1 kg (81.79 lbs)
Dimension	2384×1303×33mm
Packaging	33 pcs per pallet 594 pcs per 40' HC
Protection Class	Class II
Fire Rating	IEC Class A

Engineering Drawings



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

Electrical Characteristics (STC Test)

Module Type	GK-2-66HTBD-690M		GK-2-66HTBD-695M		GK-2-66HTBD-700M		GK-2-66HTBD-705M		GK-2-66HTBD-710M		GK-2-66HTBD-715M		GK-2-66HTBD-720M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	690	521	695	525	700	529	705	532	710	536	715	540	720	543
Open-circuit Voltage (Voc/V)	47.30	44.79	47.50	45.01	47.90	45.36	48.68	46.20	48.91	46.38	49.14	46.56	49.36	46.74
Short-circuit Current (Isc/A)	18.02	14.53	18.05	14.56	18.08	14.58	18.11	14.61	18.15	14.65	18.19	14.68	18.24	14.71
Maximum Power Voltage (Vmp/V)	40.70	38.49	40.86	38.66	41.10	38.90	41.29	38.97	41.50	39.12	41.69	39.27	41.91	39.38
Maximum Power Current (Imp/A)	16.98	13.54	17.01	13.58	17.04	13.60	17.07	13.65	17.11	13.70	17.15	13.75	17.18	13.79
Module Efficiency (%)	22.2		22.4		22.5		22.7		22.9		23.0		23.2	

Note: 1. STC: Irradiance 1000W/M², Cell Temperature 25°C, AM=1.52. 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

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

Temperature Ratings (STC)

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

Working Parameters

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

Mechanical Loading

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

Gokin



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Product data is updated as of May 2024. Gokin Solar Co., Ltd. reserves the right to change specifications.