

FLAMINGO G12/132D 720-735W

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 characteristics of N-Type



Quality Guarantee

High module quality ensures long-term reliability

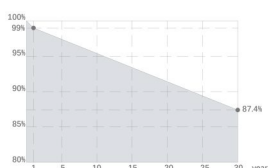
Module Characteristics

12-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

Made in China

735W

Maximum Power

23.7%

Highest Conversion Efficiency

1%

First Year Degradation

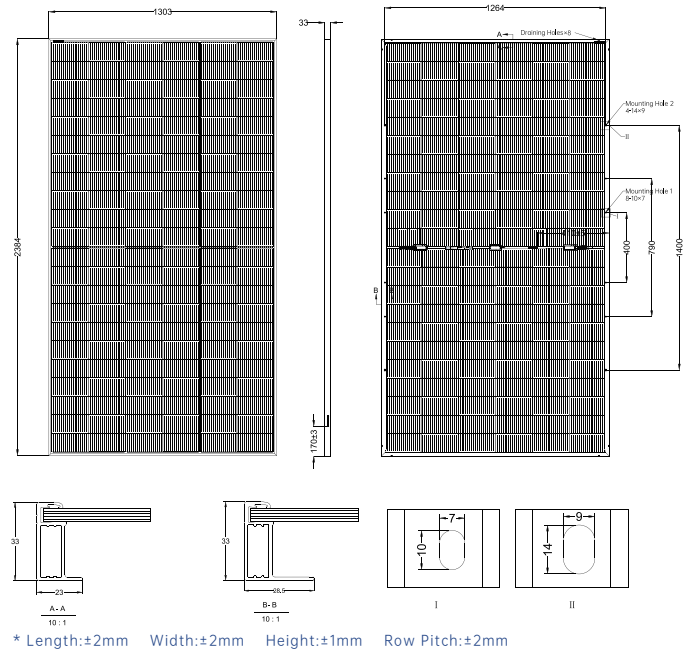
0.4%

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
Connector	Staubli Electrical Connectors AG – MC4 EVO2 Series PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy
Weight	37.1kg (81.79lbs)
Dimension	2384×1303×33mm
Packaging	33 pcs per pallet 594 pcs per 40' HC
Protection Class	Class II
Fire Rating	IEC Class C

Engineering Drawings



Electrical Characteristics (STC Test)

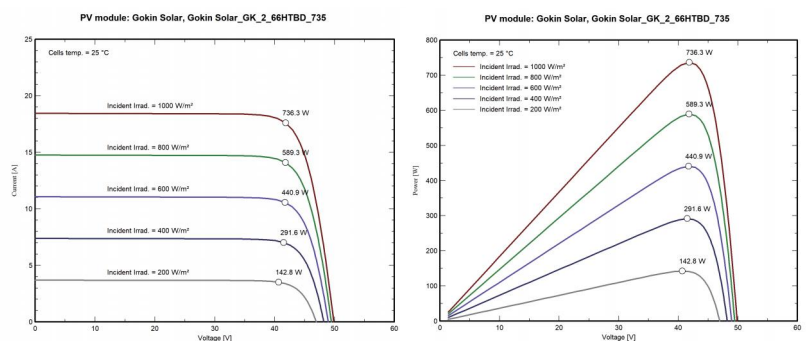
 $\varphi_{Voc}=100\pm5\%$, $\varphi_{Isc}=80\pm5\%$, $\varphi_{Pmax}=80\pm5\%$

Module Type	GK-2-66HTBD-720M			GK-2-66HTBD-725M			GK-2-66HTBD-730M			GK-2-66HTBD-735M		
Testing Condition	STC	BNPI	BSI	STC	BNPI	BSI	STC	BNPI	BSI	STC	BNPI	BSI
Maximum Power (Pmax/W)	720	790	/	725	795	/	730	800	/	735	805	/
Open-circuit Voltage (Voc/V)	49.36	49.36	/	49.55	49.57	/	49.71	49.73	/	49.87	49.89	/
Short-circuit Current (Isc/A)	18.24	20.04	22.37	18.32	20.08	22.41	18.38	20.14	22.45	18.44	20.20	22.49
Maximum Power Voltage (Vmp/V)	41.91	41.91	/	42.10	42.10	/	42.25	42.25	/	42.39	42.39	/
Maximum Power Current (Imp/A)	17.18	18.89	/	17.22	18.93	/	17.28	18.96	/	17.34	19.00	/
Module Efficiency (%)	23.2			23.3			23.5			23.7		

1. STC: Irradiance 1000W/M², Cell Temperature 25°C, AM=1.5; 2. BNPI: Irradiance of front 1000W/M², rear 135W/M²; 3. BSI: Irradiance of front 1000W/M², rear 300W/M²

Working Parameters

T ₉₅ max	70°C
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	35A
Protection Class	Class II
Power Binning Tolerance	-5~+10W
P _{max} and V _{oc} and I _{sc} Tolerance	±3%
Maximum System Voltage	1500V(IEC)
Mechanical Loading	5400Pa Front Side Max Static Test Load 2400Pa Rear Side Max Static Test Load
Hail Test	25mm hailstone at 23m/s
Junction Box	IP68



Temperature Ratings (STC)

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

Gokin

© Gokin Solar Co., Ltd. All rights reserved.

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

GK-2-66HTBD-SF-DG-CEC