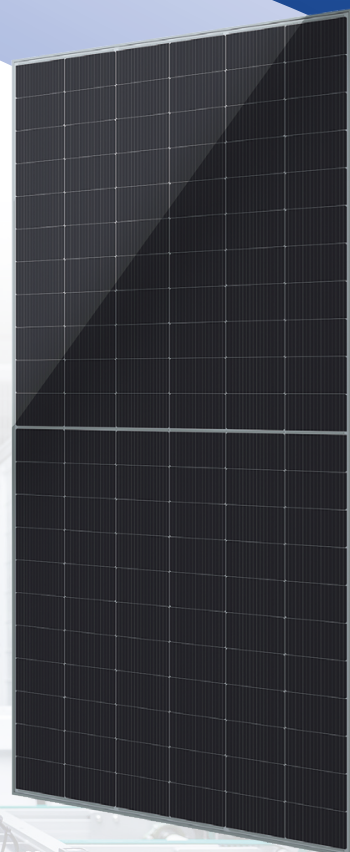


FLAMINGO GK-1-72HT 570-600W



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

600W

Maximum Power

23.2%

Highest Conversion Efficiency

1%

First Year Degradation

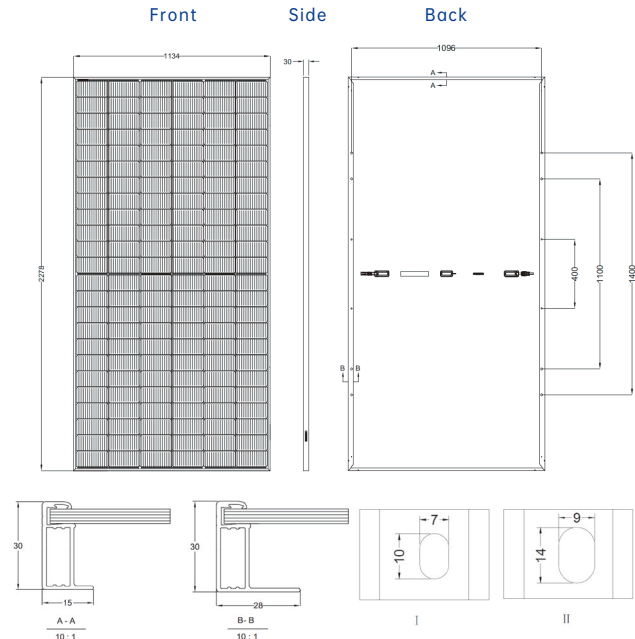
0.4%

2-30 Years Annual Power Attenuation

Mechanical Parameters

Cell Type	N-Type TOPCon
No. of cells	144 (2×72)
Output Cables	TÜV 1×4mm ² (+)300mm,(-)200mm in length or customized length
Glass	Front: 2.0mm, AR-coating, semi-tempered
Frame	Anodized aluminum alloy frame
Weight	31.0 kg (68.34 lbs)
Dimension	2278×1134×30mm
Packaging	37 pcs per pallet 148 pcs per 20' HC, 740 pcs per 40' HC
Protection Class	Class II

Engineering Drawings

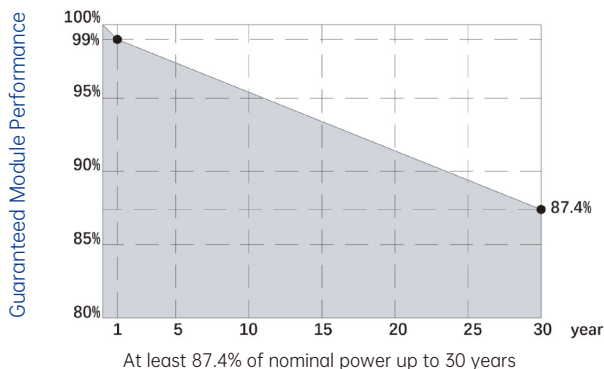


* Length:±2mm Width:±2mm Height:±1mm Row Pitch:±2mm

Electrical Characteristics (STC: 1000W/M², 25°C, AM1.5)

Module type	GK-1-72HT-570M		GK-1-72HT-575M		GK-1-72HT-580M		GK-1-72HT-585M		GK-1-72HT-590M		GK-1-72HT-595M		GK-1-72HT-600M	
Test Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (P _{max} /W)	570	431	575	435	580	438	585	442	590	446	595	450	600	454
Open Circuit Voltage (V _{oc} /V)	51.07	48.40	51.27	48.54	51.47	48.77	51.67	48.96	51.87	49.13	52.07	49.28	52.27	49.43
Short-circuit Current (I _{sc} /A)	14.25	11.49	14.31	11.54	14.37	11.59	14.43	11.64	14.49	11.69	14.55	11.74	14.61	11.79
Maximum Power Voltage (V _{mp} /V)	42.29	40.00	42.44	40.13	42.59	40.30	42.74	40.41	42.89	40.59	43.05	40.79	43.23	40.95
Maximum Power Current (I _{mp} /A)	13.48	10.77	13.55	10.84	13.62	10.87	13.69	10.94	13.76	10.99	13.82	11.04	13.88	11.09
Module Efficiency(%)	22.1		22.3		22.5		22.6		22.8		23.0		23.2	

· Maximum system voltage:1500V · Maximum series fuse rating:30A · J-Box:IP68



Temperature Ratings (STC)

Temperature coefficient of I _{sc}	+ 0.045%/°C
Temperature coefficient of V _{oc}	- 0.25%/°C
Temperature coefficient of P _{max}	- 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
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



Gokin Solar Co., Ltd.

<https://www.gokinsolar.com>
gk@gokinsolar.com

Office 1102, No. 58 Huajin Street, Hengqin Free Trade Zone, Zhuhai City, Guangdong Province, China.

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