

FLAMINGO GK-1-72HT

570-600W

Supreme Quality



Module efficiency up to 23.2% based on N-Type wafer and TOPCon technology



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



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



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

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



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

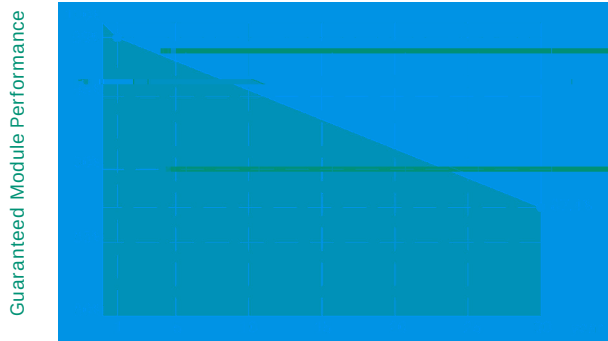
(STC 1000W/M² 25 °C AM1.5)

Module type														
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



At least 87.4% of nominal power up to 30 years

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

Temperature coefficient of I _{sc}	+ 0.045%/
Temperature coefficient of V _{oc}	- 0.25%/
Temperature coefficient of P _{max}	- 0.29%/

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.