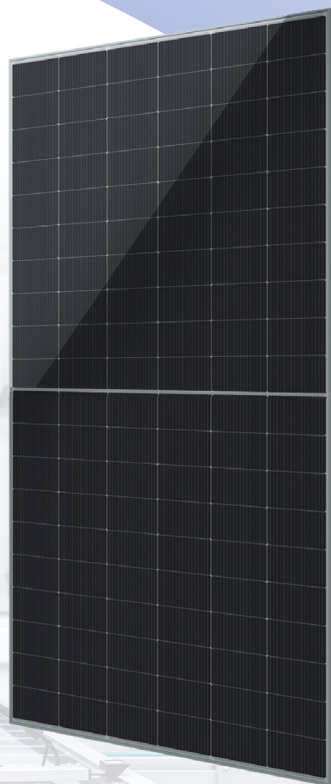


FLAMINGO GK-1-60HT 475-505W



Supreme Quality



High Efficiency

Module efficiency up to 23.3% 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



IEC 61215(2021) / IEC 61730(2023)

ISO 9001: 2015: ISO Quality Management System

Anti-PID / Ammonia / Salt-mist / Dust and sand

Made in China

505W

Maximum Power

23.3%

Highest Conversion Efficiency

1%

First Year Degradation

0.4%

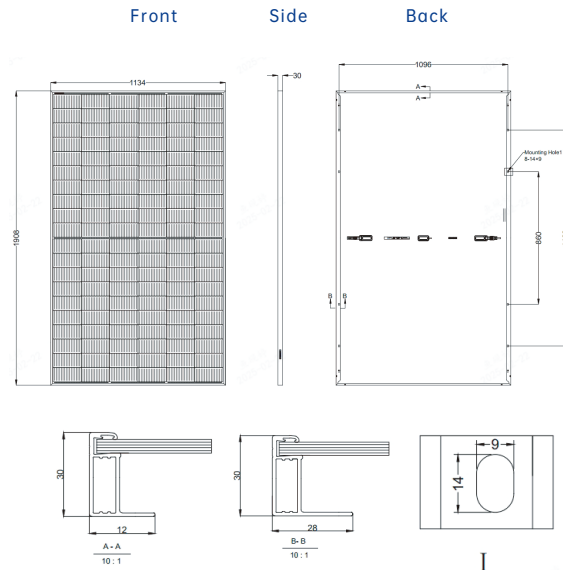
2-30 Years Annual Power Attenuation

Mechanical Parameters

Cell Type	TOPCon
No. of cells	120 (2×60)
Cables	IEC 1×4mm ²
	Cables length:(+)300mm,(-)200mm Cables length can be customized
Glass	Front:3.2mm, AR-coating tempered glass
Frame	Anodized aluminum alloy frame
Weight	22.6 kg (49.82 lbs)
Dimension	1908×1134×30mm
Packaging	37 pcs per pallet
	24 pallet per 40'HQ container
	888 pcs per 40'HQ container

Please consult Gokin if using containers of other sizes for transportation

Engineering Drawings



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

Electrical Characteristics

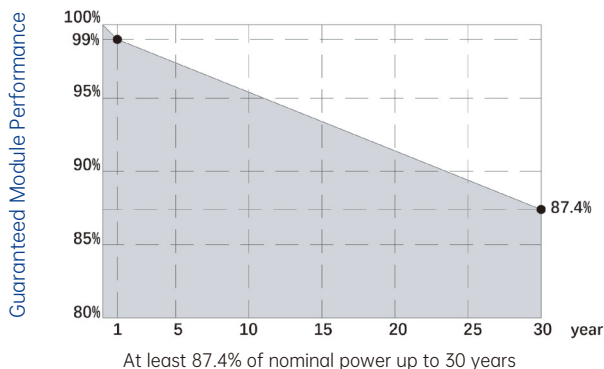
(STC: 1000W/M², 25°C, AM1.5)

Module type	GK-1-60HT-475M		GK-1-60HT-480M		GK-1-60HT-485M		GK-1-60HT-490M		GK-1-60HT-495M		GK-1-60HT-500M		GK-1-60HT-505M	
Test Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (P _{max} /W)	475	359	480	363	485	366	490	370	495	374	500	378	505	381
Open Circuit Voltage (V _{oc} /V)	42.54	40.30	42.71	40.47	42.86	40.58	43.02	40.74	43.18	40.89	43.34	41.02	43.50	41.16
Short-circuit Current (I _{sc} /A)	14.23	11.48	14.31	11.54	14.39	11.61	14.48	11.68	14.56	11.75	14.64	11.82	14.72	11.89
Maximum Power Voltage (V _{mp} /V)	35.21	33.30	35.38	33.48	35.54	33.64	35.70	33.77	35.84	33.91	36.00	34.05	36.15	34.14
Maximum Power Current (I _{mp} /A)	13.49	10.78	13.57	10.84	13.65	10.88	13.73	10.96	13.81	11.03	13.89	11.10	13.97	11.16
Module Efficiency(%)	22.0		22.2		22.4		22.6		22.9		23.1		23.3	

· Maximum system voltage:1500V

· Maximum series fuse rating:30A

· J-Box:IP68



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

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

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.