

Gokin

TOPCon Bifacial Module with Single Glass

GK-1-72HT-F | Half-cut | 144cells

570-600W

23.2%

Module Efficiency up to

≤1% First-year Degradation

≤0.4% Annual Degradation



High Efficiency

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



Anti-degradation

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



Excellent Energy Yield

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



Quality Guarantee

High module quality ensures long-term reliability

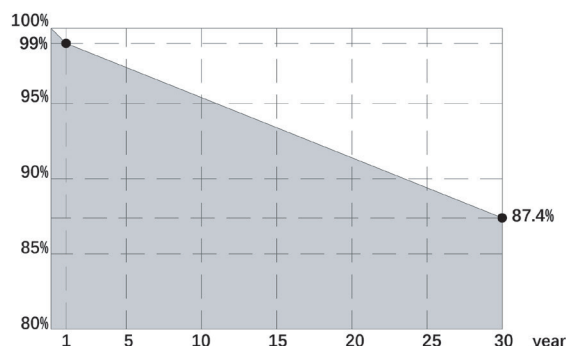


15 Years Product Warranty



30 Years Linear Power Warranty

Linear Performance Warranty



At least 99% of nominal power during first year;
Thereafter max.0.4% degradation per year;
At least 87.4% of nominal power up to 30 years.

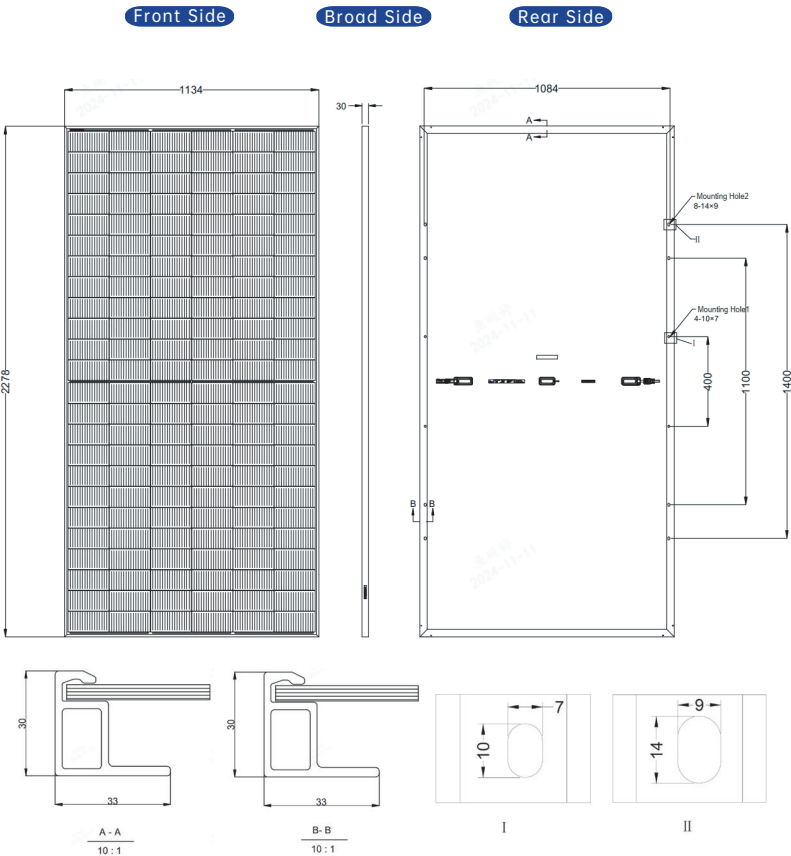


IEC 61215(2021) / IEC 61730(2023)
ISO 9001: 2015: ISO Quality Management System
Anti-PID / Ammonia / Salt-mist / Dust and sand

Mechanical Parameters

Cell Type	TOPCon
No. of cells	144 (2×72)
Output Cables	TüV 1×4mm²
	(+)300mm,(-)200mm in length or customized length
Glass	Front: 3.2mm, AR-coating tempered glass
Frame	Fiberglass
Weight	27.5kg (60.63 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(mm)



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

Mechanical Loading

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

Temperature Ratings (STC)

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

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

Module type	GK-1-72HT-570M-F		GK-1-72HT-575M-F		GK-1-72HT-580M-F		GK-1-72HT-585M-F		GK-1-72HT-590M-F		GK-1-72HT-595M-F		GK-1-72HT-600M-F	
Test Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax/W)	570	431	575	435	580	438	585	442	590	446	595	450	600	454
Open Circuit Voltage (Voc/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 (Isc/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(Vmp/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(Imp/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