

Gokin

TOPCon Module with Single Glass

GK-1-72HT | Half-cut

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

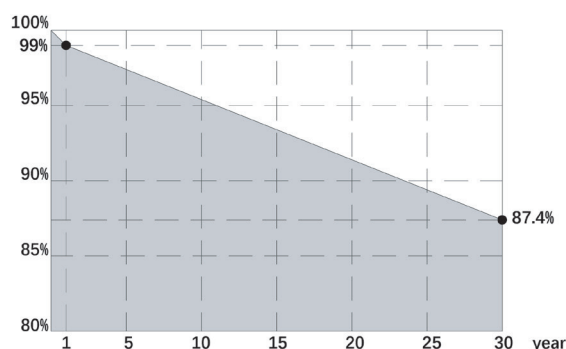


15 Years Product Warranty



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.

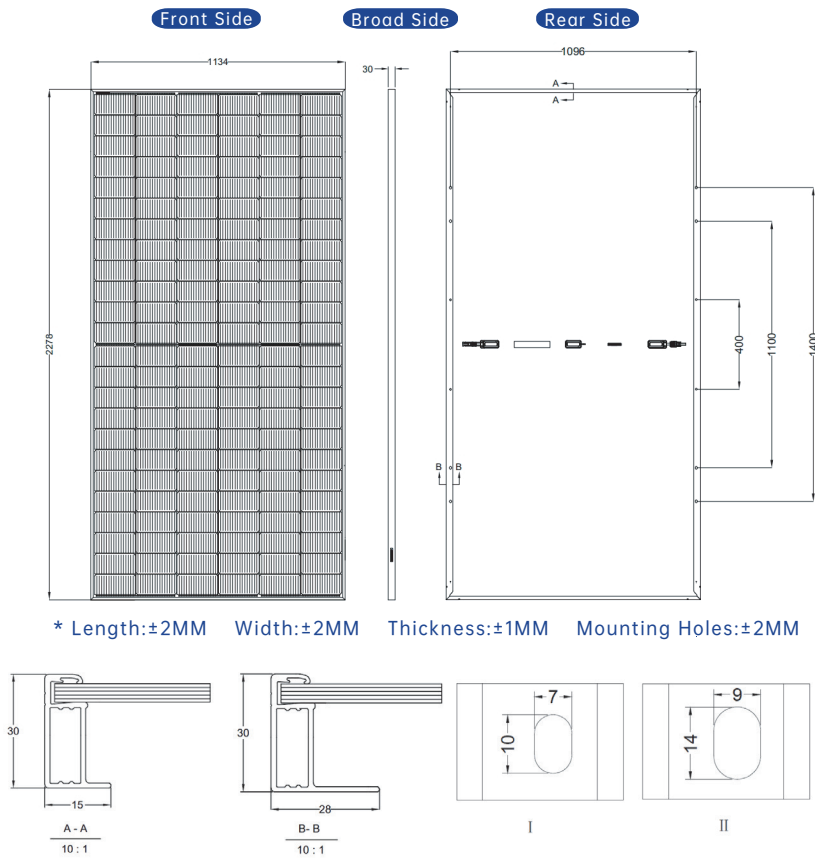


IEC 61215(2021) / IEC 61730(2023)
ISO 9001: 2015: ISO Quality Management System
Anti-PID / Ammonia / Salt-mist / Dust and sand

Mechanical Parameters

Cell Type	TOPCon
No. of cells	144 (2×72)
Output Cables	TüV 1×4mm ²
	(+)300mm,(-)200mm in length or customized length
Glass	Front: 3.2mm, AR-coating tempered glass
Frame	Anodized aluminum alloy frame
Weight	26.8kg (59.08 lbs)
Dimension	2278×1134×30mm
Packaging	36 pcs per pallet
	Package size(mm): 2310×1125×1259mm
	144 pcs per 20'HC, 720 pcs per 40'HC
Protection Class	Class II

Engineering Drawings(mm)



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		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 (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

