

Gokin

PERC Module with Single Glass

GK-1-72HP | Half-cut | 144Cells

540-560W

21.7%

Module Efficiency up to

≤2% First-year Degradation

≤0.55% Annual Degradation



SMBB Technology

Better light trapping and current collection to improve module power output and reliability



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control



Enhanced Mechanical Load

Certified to withstand:
Wind load (2400 Pascal)
Snow load (5400 Pascal)



Quality Guarantee

High module quality ensures long-term reliability

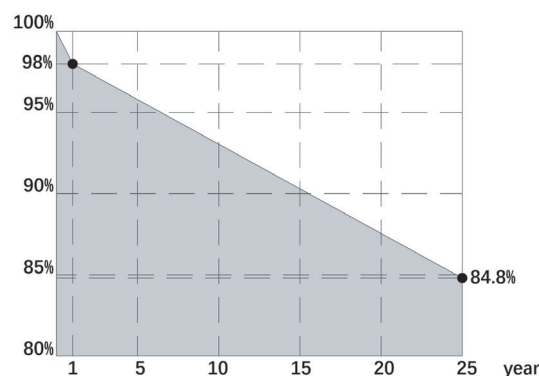


12 Years Product Warranty



25 Years Linear Power Warranty

Linear Performance Warranty



At least 98% of nominal power during first year;
Thereafter max.0.55% degradation per year;
At least 84.8% of nominal power up to 25 years.



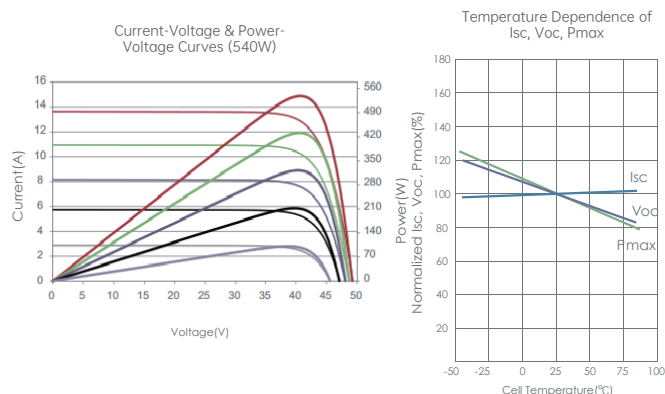
IEC 61215(2021) / IEC 61730(2023)
ISO 9001: 2015: ISO Quality Management System
Anti-PID / Ammonia / Salt-mist / Dust and sand

- Operating Temperature **-40°C~+80°C**
- Power Tolerance **0~+5W**
- Junction Box **IP68**
- NOCT **45±2°C**
- Maximum Series Fuse Rating **25A**
- Bifacial Factor **70±5%**
- Maximum System Voltage **1500V(IEC)**

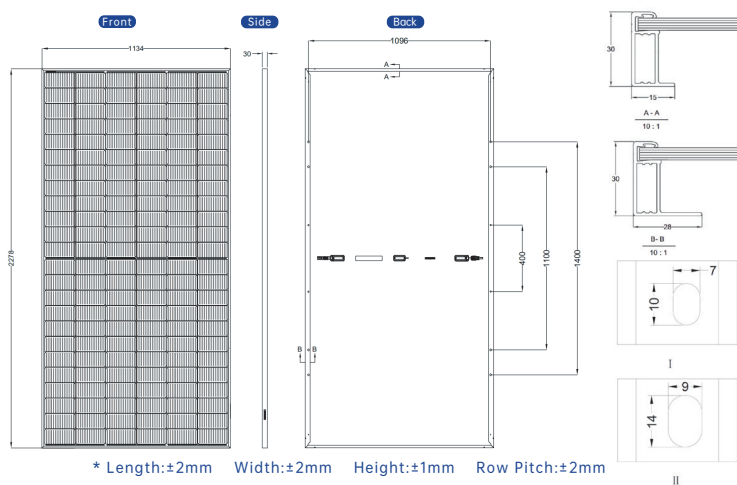
Mechanical Parameters

Cell Type	PERC
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	27.0 kg (59.52 lbs)
Dimension	2278×1134×30mm
Packaging	36 pcs per pallet Package size(mm): 2310×1125×1259 144 pcs per 20' HC, 720 pcs per 40' HC
Protection Class	Class II

Electrical Performance



Engineering Drawings



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 +0.048%/°C

Temperature Coefficient of Voc -0.28%/°C

Temperature Coefficient of Pmax -0.35%/°C

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

Module Type	GK-1-72HP-540M		GK-1-72HP-545M		GK-1-72HP-550M		GK-1-72HP-555M		GK-1-72HP-560M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	540	408	545	412	550	416	555	419	560	423
Open-circuit Voltage (Voc/V)	49.42	46.83	49.52	46.90	49.62	46.98	49.72	47.08	49.82	47.20
Short-circuit Current (Isc/A)	13.85	11.17	13.94	11.24	14.03	11.31	14.12	11.39	14.21	11.46
Maximum Power Voltage (Vmp/V)	40.70	38.49	40.80	38.60	40.90	38.69	40.99	38.76	41.09	38.89
Maximum Power Current (Imp/A)	13.27	10.60	13.36	10.67	13.45	10.75	13.54	10.81	13.63	10.88
Module Efficiency (%)	20.9		21.1		21.3		21.5		21.7	

• Maximum system voltage:1500V

• Maximum series fuse rating:30A

• J-Box:IP68

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.