

HiMAX 6N

675-705W

SP705M-66H

TOPCon Half Cell Monocrystalline Single-glass Module

TOPCon 2.0 Technology

Combining gettering process and single-side $\mu\text{-Si}$ technology to ensure higher cell efficiency and higher module power.

-0.30%/°C Pmax temperature coefficient

More stable power generation performance and even better in hot climate.

SMBB design with Half-Cut Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency.

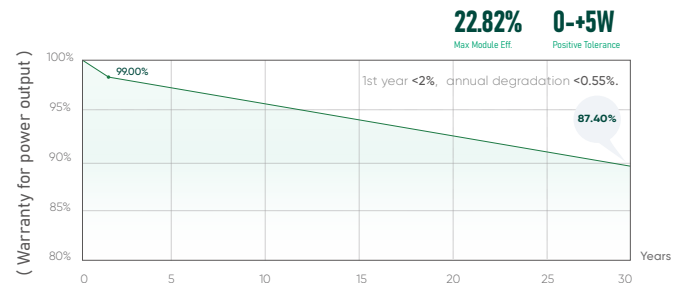
Sealing with PIB based sealant

Stronger water resistance, greater air impermeability to extent module lifespan.

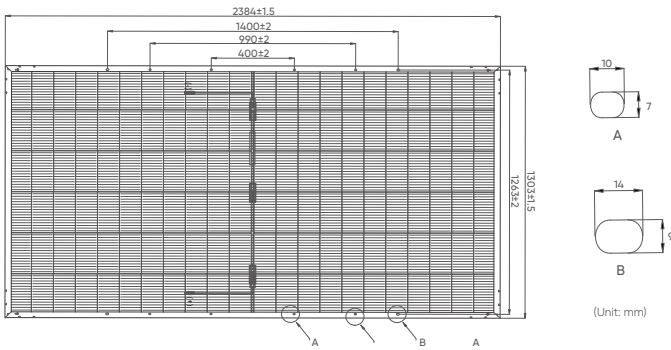
Quality Management System and Product Certification

- IEC61215/61730, IEC62804(PID), IEC61701(Salt).
- IEC62716 (Ammonia), IEC60068-2-68(Sand).
- ISO 9001:2015/quality management system.
- ISO 14001:2015/environmental management system.
- ISO 45001:2018/occupation health safety management system.
- ISO 50001:2011/energy management system.
- IEC TS 62941-2016/PV industry quality management system.

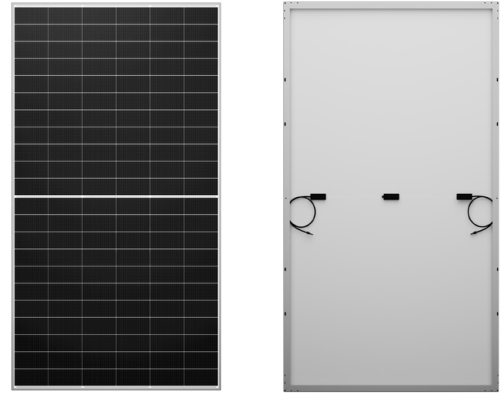
Quality Guarantee



Drawings



Product Image



Mechanical Characteristics

Solar Cells	TOPCon 210mm
No. of Cells	132 (6×22)
Dimensions	2384 × 1303 × 35mm
Weight	33.6kg
Glass Thickness	(F) 3.2mm anti-reflective solar glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors	MC4 original /MC4 compatible
Mechanical load test	5400Pa
Packaging	31pcs/box, 558pcs/40'HQ

Temperature Characteristics

NMOT (Nominal Module Operating Temperature)	44°C(±2°C)
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Pmax	-0.300%/°C

Operating Characteristics

Operating Module Temperature	-40°C ~ +85°C
Maximum System Voltage	DC 1500 (IEC)
Maximum Series Fuse Rating	35A
Power Tolerance	0~+5W
Bifaciality	85%±5%

Electrical Parameters (STC*)

Module Type: SP650M-60H	675	680	685	690	695	700	705
Maximum Power (Pmax/W)	675	680	685	690	695	700	705
Module Efficiency (%)	21.70	21.90	22.10	22.30	22.50	22.66	22.82
Optimum Operating Voltage (Vmp/V)	39.00	39.20	39.40	39.60	39.80	40.00	40.20
Optimum Operating Current (Imp/A)	17.31	17.50	17.39	17.43	17.47	17.51	17.55
Open Circuit Voltage (Voc/V)	46.90	47.10	47.30	47.50	47.70	47.90	48.10
Short Circuit Current (Isc/A)	18.24	18.29	18.34	18.39	18.44	18.49	18.54

*STC: Irradiance 1000 W/m², cell temperature 25°C, AM=1.5. Tolerance of Pmax is within +/- 3%.

I-V Curve

