

G10-74P

N-type Bifacial Double Glass Module

HSM-GFD-NM575~600

600W

Maximum Power Output

23.2%

Maximum Efficiency

High Energy Yield

- High-density cell package, increasing 2% cells
- Lower temperature coefficient (Pmax): -0.29%/°C
- Up to 80% power bifaciality

Industry-leading G10 Wafer

- <1% degradation in the first year
- Smaller wafer chamfer, larger light receiving area

Superior Customer Value

- Integrated technology: TOPCon + Shingling
- Optimized dimension design for all scenarios
- More artistic beauty with no-gap design

Long-term Reliability

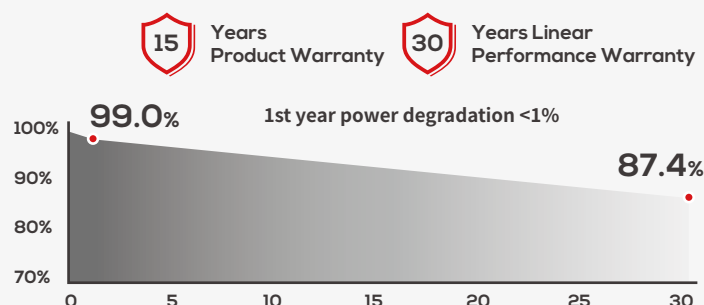
- 1/3 cell technology, lower current loss and hot spot risk
- Harsh environment resistance
- Damage-free laser cutting, lower micro-crack risk
- Mechanical load: Front 5400 Pa, Back 2400 Pa

Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 ISO 9001:2015 ISO 45001:2018 ISO 14001:2015

Linear Performance Warranty



G10-74P N-type Bifacial Double Glass Module

HSM-GFD-NM575~600

600W

Maximum Power

23.2%

Maximum Efficiency

0~+5W

Power Tolerance

Electrical Parameters (STC*)

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5, Measuring Tolerance: ±2%

Maximum Power	P _{max} (W)	575	580	585	590	595	600
Open Circuit Voltage	V _{oc} (V)	53.40	53.58	53.76	53.94	54.12	54.30
Short Circuit Current	I _{sc} (A)	13.46	13.49	13.53	13.57	13.61	13.65
Maximum Power Voltage	V _{mp} (V)	45.32	45.53	45.74	45.96	46.17	46.38
Maximum Power Current	I _{mp} (A)	12.69	12.74	12.79	12.84	12.89	12.94
Module Efficiency	(%)	22.3	22.5	22.6	22.8	23.0	23.2

Electrical Characteristics with 10% Bifacial Gain*

* The additional gain from the back side depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

Maximum Power	P _{max} (W)	633	638	644	649	655	660
Open Circuit Voltage	V _{oc} (V)	53.40	53.58	53.76	53.94	54.12	54.30
Short Circuit Current	I _{sc} (A)	14.81	14.84	14.88	14.93	14.97	15.02
Maximum Power Voltage	V _{mp} (V)	45.32	45.53	45.74	45.96	46.17	46.38
Maximum Power Current	I _{mp} (A)	13.96	14.01	14.07	14.12	14.18	14.23

Mechanical Data

* Please refer to installation manual for details

No. of Cells	222pcs (6×37)
Dimension	2278×1134×30mm
Weight	31.0kg
Front Glass	2.0mm High Transmission, Heat Strengthened Glass
Back Glass	2.0mm Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
J-Box	IP68
Cables	4.0mm ² , +350mm, -280mm/±1400mm (can be customized)
Diodes	3
Maximum Static Load	Front: 5400Pa/Back: 2400Pa*

Temperature Coefficient

* NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Nominal Module Operating Temperature*	43±2°C	Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of I _{sc}	+0.045%/°C	Temperature Coefficient of P _{max}	-0.29%/°C

Operating Parameters

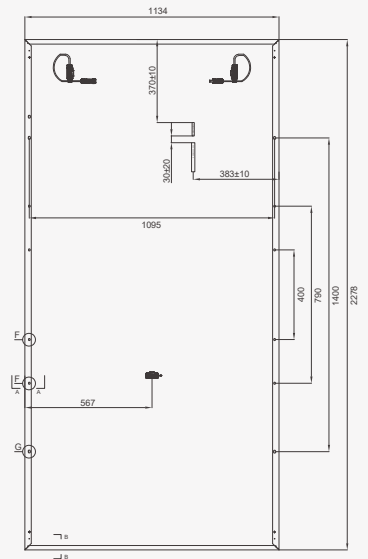
Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Power Bifaciality	80±5%

Packaging Configuration

Modules per Pallet	36pcs
Modules per 40'HQ Container	720pcs
Pallets per 40'HQ Container	20plt

Engineering Drawing

[Unit: mm]



Back



F-Installation Hole



G-Installation Hole



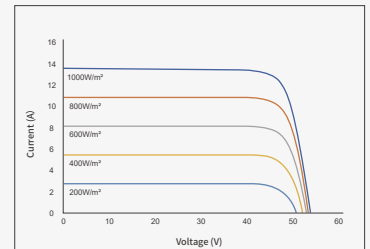
A-A



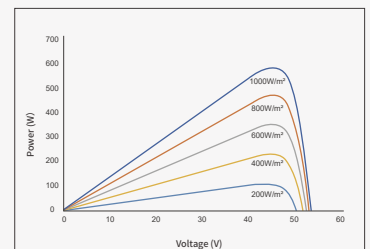
B-B

Curve Graph

I-V Curves (585W)



P-V Curves (585W)



TCL

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Datasheets