

## G10L-72P N-type Bifacial Double Glass Module

HSM-ND72-GF575~600

### 600W

Maximum Power Output

### 23.2%

Maximum Efficiency



#### High Energy Yield

- Lower temperature coefficient (Pmax):  $-0.29\%/^{\circ}\text{C}$
- 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

- Optimized dimension design for all scenarios

#### Long-term Reliability

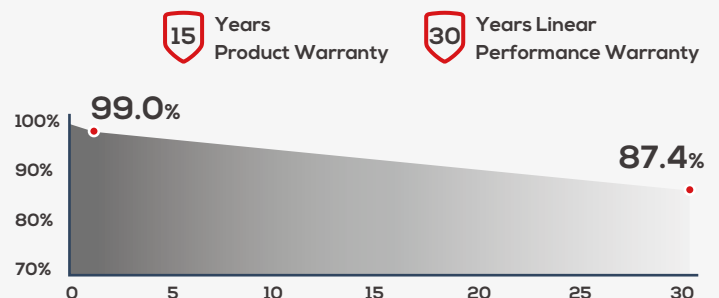
- Harsh environment resistance
- Damage-free laser cutting, lower micro-crack risk
- Mechanical load: Front 5400 Pa, Back 2400 Pa

#### Comprehensive Products and System Certificates



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

#### Linear Performance Warranty



# G10L-72P N-type Bifacial Double Glass Module

HSM-ND72-GF575~600

**600W**

Maximum Power

**23.2%**

Maximum Efficiency

**0~+5W**

Power Tolerance

## Electrical Parameters (STC\*)

\* STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM1.5, Measuring Tolerance: ±2%

Maximum Power	P <sub>max</sub> (W)	575	580	585	590	595	600
Open Circuit Voltage	V <sub>oc</sub> (V)	51.29	51.40	51.51	51.62	51.73	51.84
Short Circuit Current	I <sub>sc</sub> (A)	14.24	14.32	14.40	14.48	14.56	14.64
Maximum Power Voltage	V <sub>mp</sub> (V)	43.10	43.21	43.32	43.43	43.54	43.65
Maximum Power Current	I <sub>mp</sub> (A)	13.35	13.43	13.52	13.60	13.68	13.76
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 <sub>max</sub> (W)	633	638	644	649	655	660
Open Circuit Voltage	V <sub>oc</sub> (V)	51.29	51.40	51.51	51.62	51.73	51.84
Short Circuit Current	I <sub>sc</sub> (A)	15.66	15.75	15.84	15.93	16.02	16.10
Maximum Power Voltage	V <sub>mp</sub> (V)	43.10	43.21	43.32	43.43	43.54	43.65
Maximum Power Current	I <sub>mp</sub> (A)	14.69	14.77	14.87	14.96	15.05	15.14

## Mechanical Data

\* Please refer to installation manual for details

No. of Cells	144pcs (6×24)
Dimension	2278×1134×30 mm
Weight	31.0kg
Front Glass	2.0mm High Transmission, Heat Strengthened, AR coating Glass
Back Glass	2.0mm High Transmission, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
J-Box	IP68
Cables	4.0mm <sup>2</sup> , +400mm, -200mm/±1400mm (can be customized)
Diodes	3
Maximum Static Load	Front: 5400Pa/Back: 2400Pa*

## Temperature Coefficient

\* NMOT: Irradiance 800W/m<sup>2</sup>, 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 <sub>sc</sub>	+0.045%/°C	Temperature Coefficient of P <sub>max</sub>	-0.29%/°C

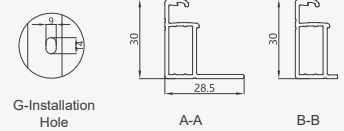
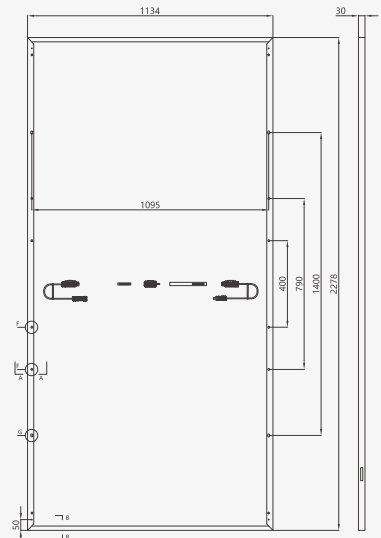
## Operating Parameters

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

## Packaging Configuration

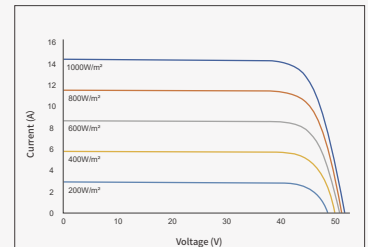
Modules per Pallet	36pcs
Modules per 40'HQ Container	720pcs
Pallets per 40'HQ Container	20plt

## Engineering Drawing [Unit: mm]

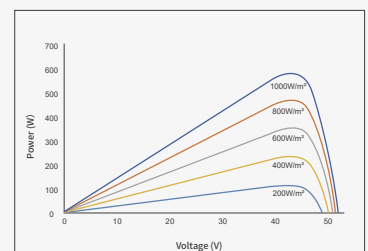


## Curve Graph

### I-V Curves (590W)



### P-V Curves (590W)



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Datasheets