

G12⁺-66P

N-type Bifacial Double Glass Module

HSM-GLF-NM695~720

720W

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 G12 Wafer

- <1% degradation in the first year
- Smaller wafer chamfer, larger light receiving area
- Wafer: 210+, Thickness: ≤130μm

Superior Customer Value

- Integrated technology: TOPCon + Shingling
- High module efficiency, Lower LCOE&BOS
- More artistic beauty with no-gap design

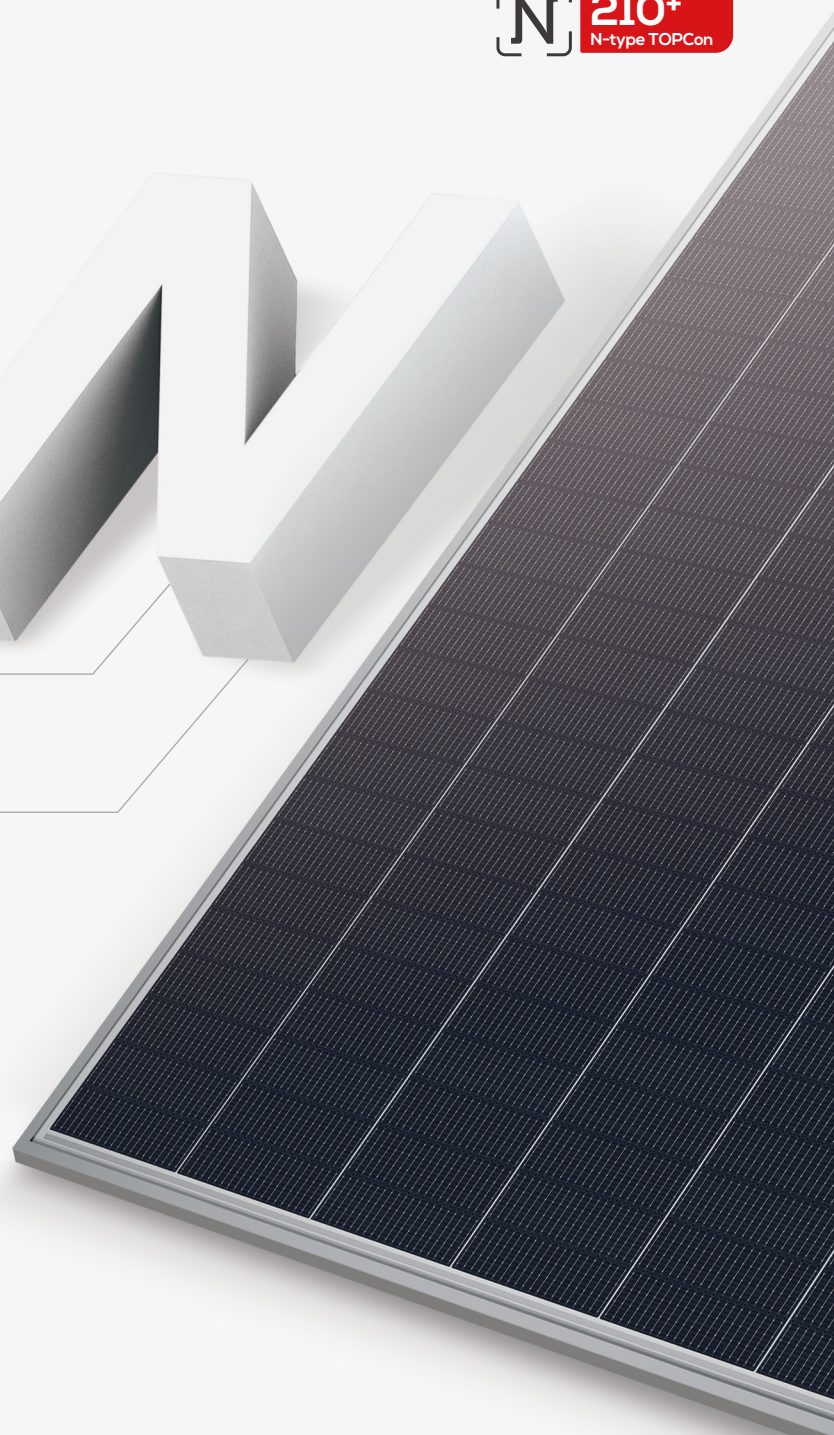
Long-term Reliability

- 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

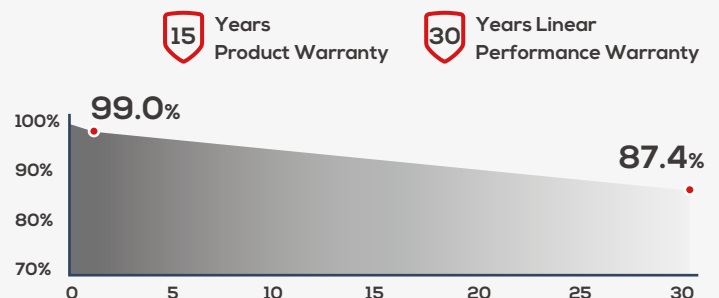
Comprehensive Products and System Certificates



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



Linear Performance Warranty



* Please refer to product warranty for details

G12+-66P N-type Bifacial Double Glass Module

HSM-GLF-NM695~720

720W

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)	695	700	705	710	715	720
Open Circuit Voltage	V _{oc} (V)	47.80	48.00	48.20	48.40	48.60	48.80
Short Circuit Current	I _{sc} (A)	18.10	18.13	18.16	18.19	18.22	18.25
Maximum Power Voltage	V _{mp} (V)	40.40	40.60	40.80	41.00	41.20	41.40
Maximum Power Current	I _{mp} (A)	17.21	17.25	17.28	17.32	17.36	17.40
Module Efficiency	(%)	22.4	22.5	22.7	22.9	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)	765	770	776	781	787	792
Open Circuit Voltage	V _{oc} (V)	47.80	48.00	48.20	48.40	48.60	48.80
Short Circuit Current	I _{sc} (A)	19.91	19.94	19.98	20.01	20.04	20.08
Maximum Power Voltage	V _{mp} (V)	40.40	40.60	40.80	41.00	41.20	41.40
Maximum Power Current	I _{mp} (A)	18.93	18.98	19.01	19.05	19.10	19.14

Mechanical Data

* Please refer to installation manual for details

No. of Cells	198pcs (6×33)
Dimension	2384×1303×33mm
Weight	37.6kg
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

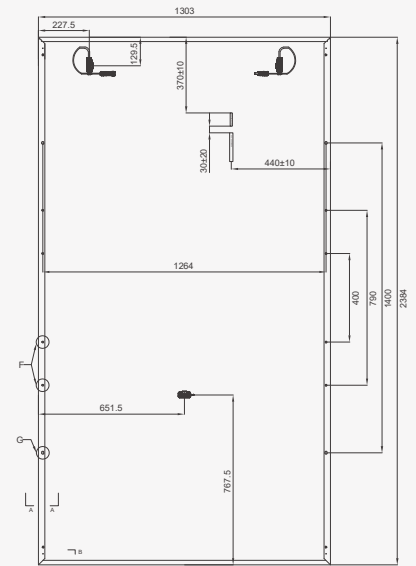
Operating Parameters

Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Bifaciality	80±5%

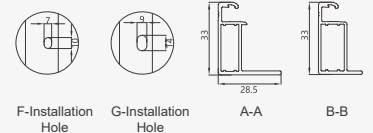
Packaging Configuration

Modules per Pallet	33pcs
Modules per 40'HQ Container	594pcs
Pallets per 40'HQ Container	18plt

Engineering Drawing [Unit: mm]

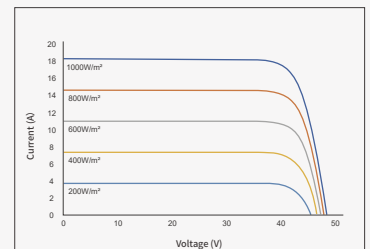


Back

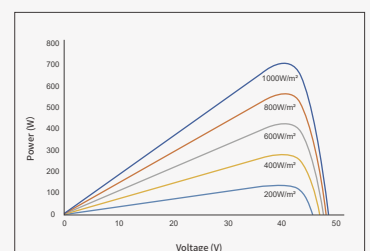


Curve Graph

I-V Curves (705W)



P-V Curves (705W)



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Datasheets