

G12⁺-66P

N-type Bifacial Double Glass Module

HSM-GLF-NM730~755

755W

Maximum Power Output

24.3%

Maximum Efficiency



Efficient Power Generation

- Lower internal resistance loss : Multi-cut technology reduces operating current
- Advanced TOPCon platform + high-density packaging: High efficiency and bifaciality
- Environmental adaptability: Excellent low-light response and temperature coefficient

Ultimate Reliability

- Hotspot suppression: Low current design reduces hot spot risk
- High mechanical strength: Optimized back glass openings & Non-Destructive Cutting

Customer Value

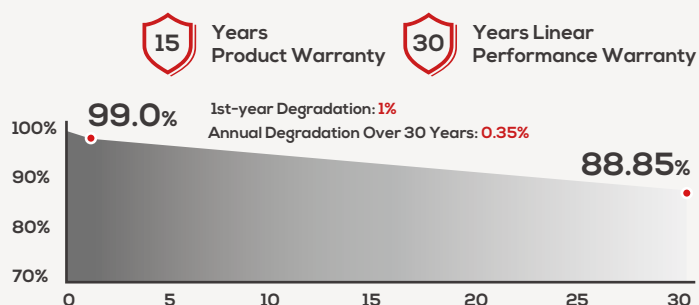
- Higher power output: Higher than half-cell modules
- Better ROI: Low BOS, low LCOE, high energy yield, high project returns

Comprehensive Products and System Certificates



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

Linear Performance Warranty



Electrical Parameters (STC* & BNPI*)

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5, Measuring Tolerance: ±3%
* BNPI: Front Irradiance 1000W/m², Back Irradiance 135W/m², Ambient Temperature 25°C, AM1.5, Measuring Tolerance: ±3%

Testing Condition		STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power	P _{max} (W)	730	814	735	819	740	825	745	830	750	836	755	842
Open Circuit Voltage	V _{oc} (V)	49.44	49.44	49.59	49.59	49.74	49.74	49.89	49.89	50.04	50.04	50.19	50.19
Short Circuit Current	I _{sc} (A)	18.45	20.57	18.51	20.63	18.57	20.70	18.63	20.77	18.69	20.83	18.75	20.90
Maximum Power Voltage	V _{mp} (V)	41.84	41.84	42.00	42.00	42.17	42.17	42.34	42.34	42.51	42.51	42.67	42.67
Maximum Power Current	I _{mp} (A)	17.45	19.45	17.50	19.51	17.55	19.56	17.60	19.62	17.65	19.68	17.70	19.73
Module Efficiency	(%)	23.3		23.5		23.7		23.8		24.0		24.1	

Electrical Characteristics with Different Bifacial Gain*

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

Bifacial Gain		5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Maximum Power	P _{max} (W)	767	803	772	809	777	814	782	820	788	825	793	831
Open Circuit Voltage	V _{oc} (V)	49.44	49.44	49.59	49.59	49.74	49.74	49.89	49.89	50.04	50.04	50.19	50.19
Short Circuit Current	I _{sc} (A)	19.37	20.30	19.44	20.36	19.50	20.43	19.56	20.49	19.62	20.56	19.69	20.63
Maximum Power Voltage	V _{mp} (V)	41.84	41.84	42.00	42.00	42.17	42.17	42.34	42.34	42.51	42.51	42.67	42.67
Maximum Power Current	I _{mp} (A)	18.32	19.20	18.38	19.25	18.43	19.31	18.48	19.36	18.53	19.42	18.59	19.47

Temperature Coefficient

Nominal Module Operating Temperature*	43±2°C
Temperature Coefficient of I _{sc}	+0.046%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of P _{max}	-0.26%/°C

Operating Parameters

Operating Temperature	-40~+70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Bifaciality	85±5%
Safety Protection	Class II
Fire Rating	Class C

Mechanical Data

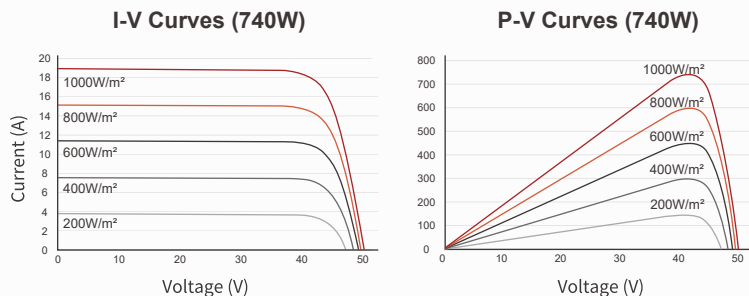
* Please refer to installation manual for details

No. of Cells	198pcs (6×33)
Dimension	2384×1303×33 mm
Weight	37.6kg ±3%
Front Glass	2.0mm, Heat Strengthened, AR coating Glass
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
J-Box / Diodes	IP68 / three diodes
Cables	4.0mm ² , +350mm, -280mm (can be customized)
Maximum Static Load	Front: 5400Pa / Back: 2400Pa*

Packaging Configuration

Modules per Pallet	33pcs
Modules per 40'HQ Container	594pcs

Curve Graph



Engineering Drawing

[Unit: mm]

