

G12-66P

N-type Bifacial Double Glass Module

HSM-ND66-GK705~740

740W

Maximum Power Output

23.8%

Maximum Efficiency



Superior Customer Value

- 210mm wafer generates 720W+ Power output
- Low-voltage design optimizes BOS cost
- Optimized for diverse installation needs

High Energy Yield

- Consistent high yield in varying conditions
- Enhanced thermal resistance and bifacial power generation

Long-term Reliability

- Advanced weather-resistant encapsulation
- Aluminium alloy frame and heat strengthened glass
- Resistant to harsh environmental conditions

Comprehensive Products and System Certificates



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

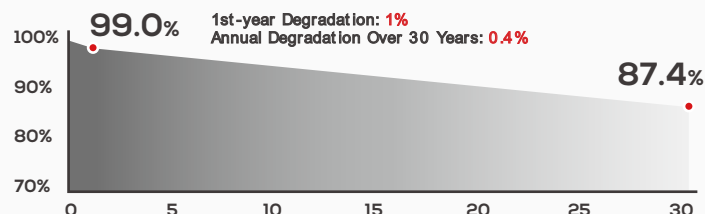
Linear Performance Warranty



15 Years
Product Warranty



30 Years 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	STC	BNPI	STC	BNPI
Maximum Power	P _{max} (W)	705	779	710	784	715	790	720	795	725	801	730	806	735	812	740	817
Open Circuit Voltage	V _{oc} (V)	48.48	48.64	48.70	48.85	48.92	49.08	49.14	49.29	49.36	49.52	49.58	49.73	49.80	49.96	50.02	50.17
Short Circuit Current	I _{sc} (A)	18.44	20.36	18.48	20.40	18.52	20.45	18.56	20.49	18.60	20.54	18.64	20.58	18.68	20.63	18.72	20.67
Maximum Power Voltage	V _{mp} (V)	40.50	40.51	40.69	40.69	40.89	40.92	41.08	41.09	41.27	41.29	41.46	41.47	41.65	41.70	41.84	41.87
Maximum Power Current	I _{mp} (A)	17.41	19.23	17.45	19.27	17.49	19.31	17.53	19.35	17.57	19.40	17.61	19.44	17.65	19.48	17.69	19.53
Module Efficiency	(%)	22.7		22.9		23.0		23.2		23.3		23.5		23.7		23.8	

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%	5%	10%	5%	10%
Maximum Power	P _{max} (W)	740	776	746	781	751	787	756	792	761	798	767	803	772	809	777	814
Open Circuit Voltage	V _{oc} (V)	48.48	48.48	48.70	48.70	48.92	48.92	49.14	49.14	49.36	49.36	49.58	49.58	49.80	49.80	50.02	50.02
Short Circuit Current	I _{sc} (A)	19.36	20.28	19.40	20.33	19.45	20.37	19.49	20.42	19.53	20.46	19.57	20.50	19.61	20.55	19.66	20.59
Maximum Power Voltage	V _{mp} (V)	40.50	40.50	40.69	40.69	40.89	40.89	41.08	41.08	41.27	41.27	41.46	41.46	41.65	41.65	41.84	41.84
Maximum Power Current	I _{mp} (A)	18.28	19.15	18.32	19.20	18.36	19.24	18.41	19.28	18.45	19.33	18.49	19.37	18.53	19.42	18.57	19.46

Temperature Coefficient

Nominal Module Operating Temperature*	43±2°C
Temperature Coefficient of I _{sc}	+0.045%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of P _{max}	-0.28%/°C

Operating Parameters

Operating Temperature	-40~+70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Bifaciality	80±5%
Safety Protection	Class II
Fire Rating	Class C

Mechanical Data

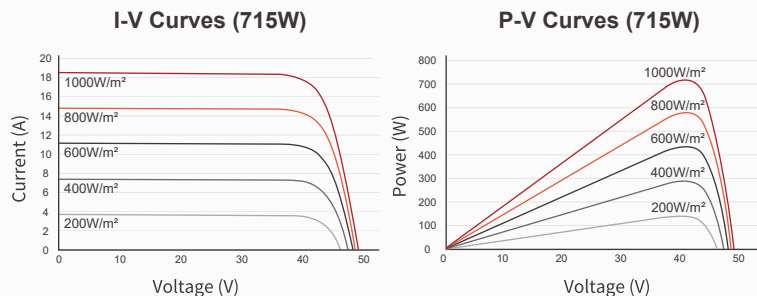
* Please refer to installation manual for details

No. of Cells	132pcs (6×22)
Dimension	2384×1303×33 mm
Weight	38.2kg ±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 , +400mm, -200mm (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]

