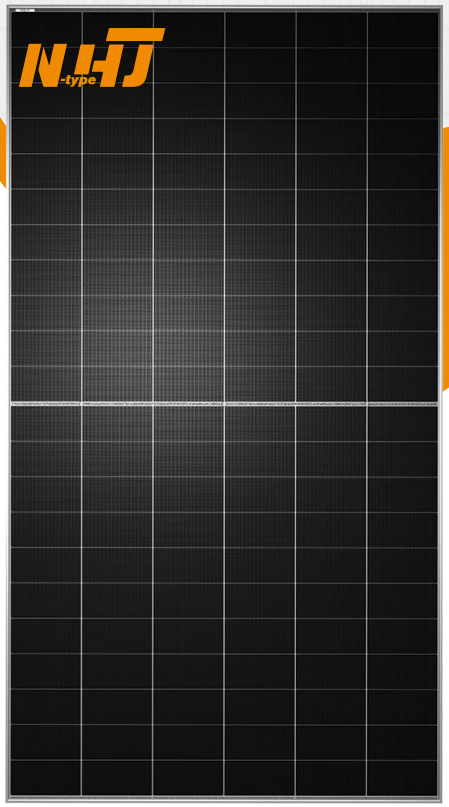
SOLAR BLUESUN
Your Best PV Supplier

www.bluesunpv.com



132 HEX9
BIFACIAL MODULE

BSM730G12-66HNH 715-735

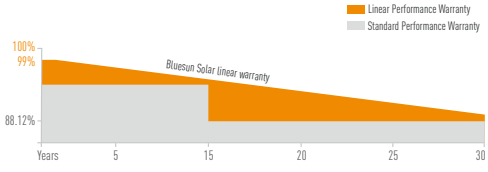
HALF CELL N-HJT BIFACIAL

BLUESUN SOLAR CO.,LTD

Bluesun, founded in 2004, as a superior photovoltaic manufacturer, is devoted to the R&D and the production of crystalline silicon solar cells and modules for 17 years. The company has its sales areas spread all over more than 100 countries and regions in the world, and the cumulative historical shipments exceeded 12 GW.

PERFORMANCE WARRANTY

- 15 Years — Enhanced Product Warranty on Materials and Workmanship.
- 30 Years — Linear Power Performance Warranty*
- 0.375% Annual — Annual Degradation Over 30 years no more than 0.375%



*According to the applicable Bluesun Solar Limited Warranty Statement.

MANAGEMENT SYSTEM CERTIFICATES

ISO 9001:2015 / Quality management system

ISO 14001:2015 / Standards for environmental

ISO 45001: 2018 / International standards for occupational health & safety

PRODUCT CERTIFICATES

IEC 61215 / IEC 61730 / CE

THE IDEAL SOLUTION FOR:

Rooftop arrays on residential buildings

Ground-mounted solar power plants

High module conversion efficiency

MBB Half Cell Technology, Module efficiency up to 23.7%

Withstanding harsh environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control

Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset

Extended wind and snow load tests

Module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)

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*Release BSMXXG12-66HNH(715-735W)-2025-12-Rev01-EN

SPECIFICATIONS

Module Type		BSM715G12-66HNH		BSM720G12-66HNH		BSM725G12-66HNH		BSM730G12-66HNH		BSM735G12-66HNH	
		STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power	(Pmax/W)	715	797.1	720	802.7	725	808.2	730	814.0	735	819.5
Operating Voltage	(Vmp/V)	41.84	41.84	41.94	41.94	42.03	42.03	42.13	42.13	42.22	42.22
Operating Current	(Imp/A)	17.09	19.05	17.17	19.14	17.25	19.23	17.33	19.32	17.41	19.41
Open-Circuit Voltage	(Voc/V)	50.22	50.22	50.30	50.30	50.38	50.38	50.46	50.46	50.54	50.54
Short-Circuit Current	(Isc/A)	17.98	20.04	18.08	20.15	18.18	20.27	18.28	20.38	18.37	20.48
Module Efficiency	ηm(%)	23.0		23.2		23.3		23.5		23.7	

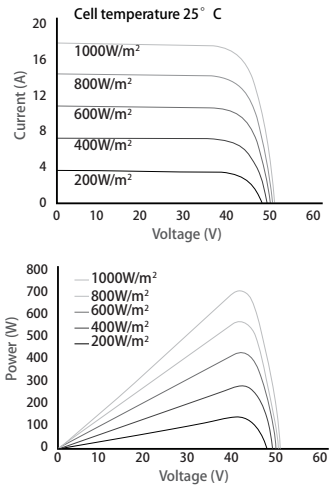
STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

* BNPI: Front side irradiance 1000W/㎡, Rear side irradiance 135W/㎡, Cell Temperature=25℃, AM=1.5
Power measurement tolerance:±3%

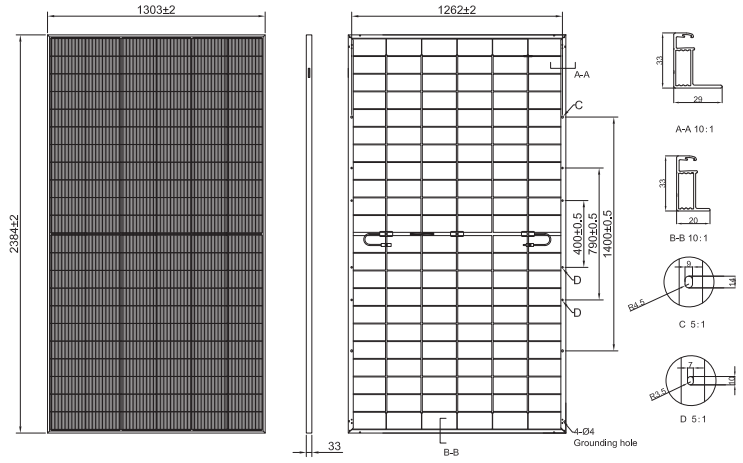
Electrical characteristics with different rear side power gain

5%	Maximum Power (Pmax/W)	750	756	761	766	771
	Module Efficiency (η/%)	24.1	24.3	24.5	24.7	24.8
15%	Maximum Power (Pmax/W)	822	828	833	839	845
	Module Efficiency (η/%)	26.5	26.7	26.8	27.0	27.2
25%	Maximum Power (Pmax/W)	893	900	906	912	918
	Module Efficiency (η/%)	28.7	29.0	29.2	29.4	29.6

I-V CURVE



ENGINEERING DRAWINGS



MECHANICAL SPECIFICATION

Cell Type	N type Heterojunction Cell
Cell Arrangement	132 (6*22)
Weight	36.6kg
Module Dimensions	2384*1303*33mm
Cable Length	+400mm, -200mm or ± 1200mm, length can be customized
Cable Cross Section Size	TUV: 4mm²(0.006inches²)/UL: 12AWG
Front Glass	2.0mm high transmittance, AR semi-tempered glass
Rear Glass	2.0mm high transmittance, semi-tempered glass
No. of Bypass Diodes	3
Packing Configuration	33pcs/carton, 594pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~ +85°C
Maximum Series Fuse	35A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Safety Class	II
Connector	MC4
Backside Output Ratio* *Under STC: Backside Output Ratio = Pmax(rear) /Pmax(front)	80%±5%

TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.24%/°C
Temperature Coefficient Voc	-0.24%/°C
Temperature Coefficient Isc	+0.04%/°C
NMOT	44±2°C

*Data contained in these specifications is subject to change without notice. Bluesun Solar reserves the right to final interpretation of content.

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