



BSM610M10-78HNH

585-610

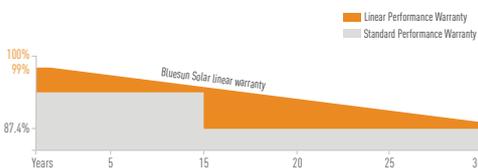
N-type SHINGLED

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

-  Enhanced Product Warranty on Materials and Workmanship.
-  Linear Power Performance Warranty*
-  Annual Degradation Over 30 years no more than 0.4%



*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 Power Density

Combined with G12 cell and shingled technology leads to maximize power density



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

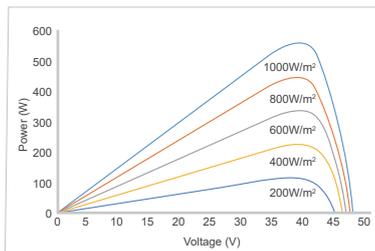
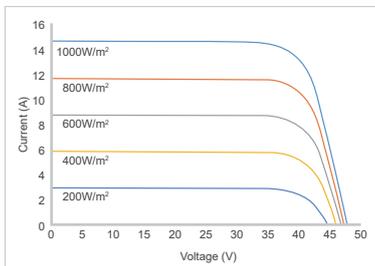
Module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)

SPECIFICATIONS

Module Type	BSM585M10-78HNH	BSM590M10-78HNH	BSM595M10-78HNH	BSM600M10-78HNH	BSM605M10-78HNH	BSM610M10-78HNH
	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	585	590	595	600	605	610
Operating Voltage (Vmp/V)	41.40	41.70	42.00	42.30	42.60	42.90
Operating Current (Imp/A)	14.13	14.15	14.17	14.18	14.20	14.22
Open-Circuit Voltage (Voc/V)	49.10	49.30	49.50	49.70	49.90	50.10
Short-Circuit Current (Isc/A)	15.05	15.07	15.09	15.11	15.13	15.15
Module Efficiency η (%)	22.47	22.66	22.86	23.05	23.24	23.43

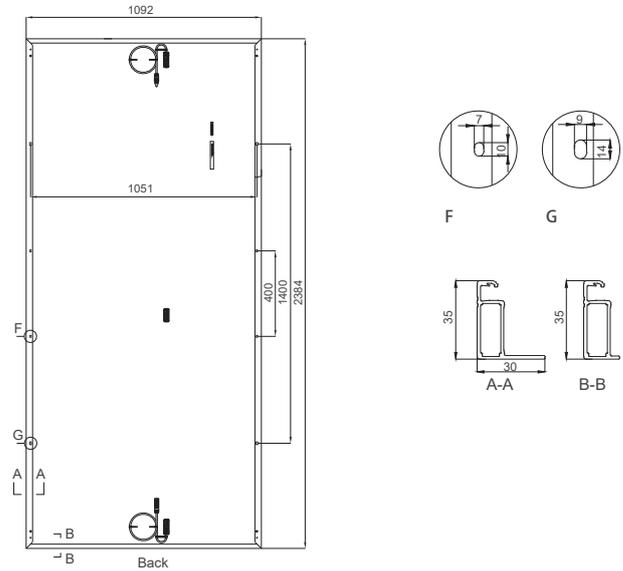
STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

I-V CURVE



ENGINEERING DRAWINGS

[Unit:mm]



MECHANICAL SPECIFICATION

Cell Type	N-type
Cell Arrangement	345 (5*69)
Weight	27kg
Module Dimensions	2384*1092*35mm
Cable Length	+710mm,-790mm
Cable Cross Section Size	TUV: 4mm ² (0.006inches ²)/UL: 12AWG
Front Glass	3.2mm Tempered Glass
No. of Bypass Diodes	3
Packing Configuration	31pcs/carton, 620pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~ +85°C
Maximum Series Fuse	25A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Safety Class	II
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2

TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.30%/°C
Temperature Coefficient Voc	-0.25%/°C
Temperature Coefficient Isc	+0.045%/°C
NMOT	43±2°C

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