



BSM415M10-54HPH



Bifacial Module With Transparent Backsheet 10BB Half-cut Mono Perc

Made In Thailand

- **△ Long Beach, CA Stock**
- All Black, High Aesthetic
- 2M² Panel. Best Home Roof Fit
- Dimensions:1722*1134*30mm
- Weight:21.5kg
- Max. System Voltage: 1000V/1500 V (IEC/UL)

GREAT PERFORMANCE AND RELIABILITY

10BB Half-cut Cell Technology

New circuit design, lower internal current, lower Rs loss Ga dopped wafer, attenuation < 2% (1st year) / ≤0.55% (Linear)

★ Industry Leading High Yield

Bifacial PERC cell technology, 5%-25% more yield depends on different conditions

Excellent Anti-PID Performance

2 times of industry standard Anti-PID test by TUV SUD

★ Lower LCOE

2% more power generation, lower LCOE

IP68 Junction Box

High waterproof level







PERFORMANCE WARRANTY

Enhanced Product Warranty on Materials and Workmanship*

Linear Power Performance Warranty* *According to the applicable Bluesun Solar Limited Warranty Statement.

MANAGEMENT SYSTEM CERTIFICATES

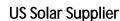
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

PRODUCT CERTIFICATES

• IEC 61215 / IEC 61730 / UL 61730







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ELECTRICAL CHARACTER	ISTICS									
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	400	298	405	302	410	306	415	309	420	313
Operating Voltage (Vmpp/V)	31.05	29.0	31.24	29.2	31.43	29.3	31.63	29.5	31.82	29.7
Operating Current (Impp/A)	12.89	10.30	12.97	10.36	13.05	10.42	13.13	10.49	13.21	10.55
Open-Circuit Voltage (Voc/V)	37.00	34.8	37.25	35.1	37.50	35.3	37.75	35.6	38.00	35.8
Short-Circuit Current (Isc/A)	13.78	11.11	13.86	11.17	13.94	11.24	14.02	11.31	14.10	11.38
Module Efficiency (%)	20.	50	20.	70	21.	.00	21	.25	21	.51

STC: Irradiance 1000W/m², Spectra at AM1.5, Module Temperature 25°C.Power output tolerance: 0~+5W, Test uncertainty for Pmax: ±3% NMOT: Irradiance 800W/m², Spectra at AM1.5, Ambient Temperature 20 °C, Wind speed 1m/s

MECHANICAL CHARACTERISTIC	cs
Solar Cell	Monocrystalline182*182mm
No. of Cells	108 (6*18)
Module Dimensions	1722*1134*30mm (67.80*44.65*1.18inches)
Weight	21.5kg (47.4lbs.)
Front Glass	3.2mm AR Coating Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	4mm² (IEC), 12AWG(UL) 300mm in Length or Customized Length
Connectors	T01/LJQ-3-CSY/MC4/MC4-EVO2

APPLICATION CONDITIONS	
Maximun System Voltage	1000V/1500VDC/(IEC)
Operating Temperature	-40°C~+85°C
Maximun Series Fuse	25A
Safety Protection Class	Class II
Mechanical Load	Front side 5400Pa, Back side 2400Pa
Refer. Bifaciality Factor	70%(+5%~-10%)

TEMPERATURE CHARACTERISTICS	
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.048%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C

PACKING CONFIGURATION		
Pieces Per Pallet	36	36(USA)
Pieces Per Container(40'HQ)	936	828

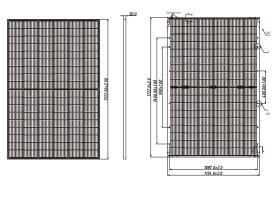
I-V CURVE BSM410M10-54HPH/410W 350 250 200 150 100 50

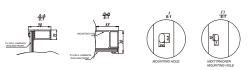
TECHNICAL DRAWINGS

_ 75℃

_ 50°C

— 25 °C Voltage(v)





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