



BSM550M10-72HBD



Bifacial Dual Glass 530W-550W Leading 5%-25% more yield Efficiency up to 21 .2%



- **△ Long Beach Stock**
- **Best Solar Plant Selling (2.16GW Shipped)**
- **Same Day Shipping**
- Dimensions:2285*1134*35mm
- Weight:32.2kg
- Max. System Voltage: 1500 V/DC(IEC)

GREAT PERFORMANCE AND RELIABILITY

- ★ Bi-facial Perc Half Cut Technology
- Better Energy Yield
- ★ Power Degradation -0.45%/30 Years Linear Warranty
- ★ TUV SUD Anti PID Certificated
- ★ IP68 Junction Box/High Water Proof Level
- Reduced Hot Spot Risk

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 / IEC 61701 / IEC TS 62804
- UL 1703 / UL61730









US Solar Supplier

Add: 552 East, Suite 200, Louisville, KY 40205

Tel: 502-956-0427

Web: www.ussolarsupplier.com



ELECTRICAL PAR	AMETERS							
	C (Power Tolerance 0 ~	+3%)						
Maximum Power (Pmax/\	N)		530	535	540	545	550	
Operating Voltage (Vmpp	n/V)		41.32	41.48	41.64	41.80	41.96	
Operating Current (Impp/	A)		12.83	12.90	12.97	13.04	13.11	
Open-Circuit Voltage (Voc/V)			49.32	49.46	49.60	49.76	49.92	
Short-Circuit Current (Isc/A)		13.72	13.79	13.86	13.93	14.00		
Module Efficiency ηm(%)			20.5	20.6	20.8	21.0	21.2	
Performance at NM	ОТ							
Maximum Power (Pmax/	W)		395	398	402	406	410	
Operating Voltage (Vmpp/V)		38.6	38.7	38.8	39.0	39.1		
Operating Current (Impp/A)		10.24	10.30	10.36	10.41	10.47		
Open-Circuit Voltage (Vo	oc/V)		46.4	46.5	46.7	46.8	47.0	
Short-Circuit Current (Isc	:/A)		11.06	11.12	11.17	11.23	11.28	
STC: Irradiance 1000W/m², Cell	Temperature 25°C, Air Mass AM1.5	NMOT: Irradiance at 80	0W/m², Ambient Temp	peratue 20°C, Air M	ass AM1.5, Wind S	peed 1m/s		
Electrical characteri	stics with different rear	side power gain	(refer to 530V	V front)				
Pmax gain	Pmax/W	Vmpp/V	Imp	p/A	Voc/V		Isc/A	
5%	557	41.32	13.	47	49.32		14.41	
10%	583	41.32	14.	11	49.32		15.09	
15%	610	41.32	14.	75	49.32		15.78	
20%	636	41.32	15.	40	49.32		16.46	
25%	663	41.32	16.	04	49.32		17.15	

MECHANICAL	SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	182*182mm
Cell Arrangement	144 (6*24)
Weight	32.2kg
Module Dimensions	2285*1134*35mm
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm² (0.006inches²)/UL: 12AWG
Front Glass	2.0mm (0.08 inches) AR Coating Semi-tempered Glass
Back Glass	2.0mm (0.08 inches) Glazed Semi-tempered Glass
No. of Bypass Diodes	3
Packing Configuration (1)	31pcs/carton, 620pcs/40hq
Packing Configuration (for	USA) 31pcs/carton, 558pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

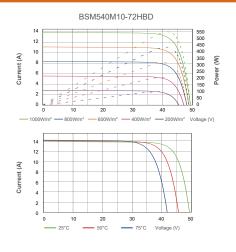
OPERATING CONDITIONS

Maximun System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximun Series Fuse	30A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2
Backside Output Ratio* *Under STC: Backside Output Ratio =	Pmax(rear) /Pmax(front) 70%±5%

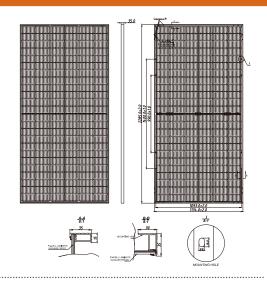
TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.35%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.048%/°C
NMOT	43±2°C

I-V CURVE



TECHNICAL DRAWINGS



US Solar Supplier Add: 552 East , Suite 200, Louisville, KY 40205 Tel: 502-956-0427 Web: www.ussolarsupplier.com

