



BSM550M10-72HPH

525-550W



**YOUR
BEST
PV
SUPPLIER**

550W

Maximum Power Output

21.3%

Maximum Module Efficiency

0~+5W

Power Output Guarantee



Higher output power



More reliable, more stable power generation



Less shading effect

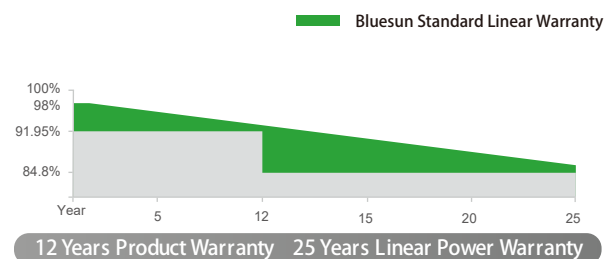


Lower temperature coefficient

Key features

- World-class manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and OHSAS: 18001 2007
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716, DIN EN 60068-2- 68)
- Long term reliability tests
- 2×100% EL inspection ensuring defect-free modules

Linear Performance Warranty



* Please refer to Bluesun standard warranty for details

Certificate



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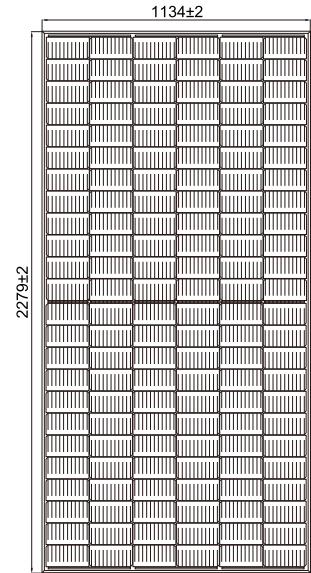




ELECTRICAL PARAMETERS AT STC

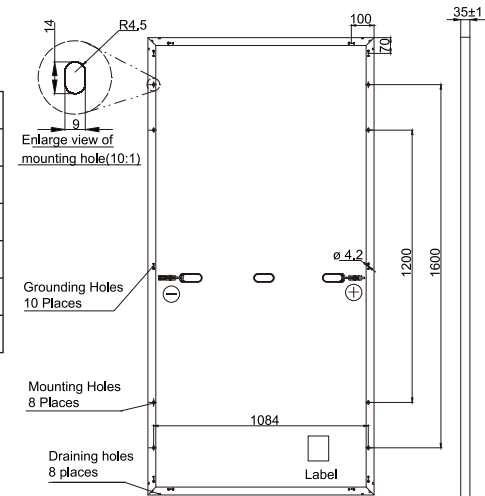
Model	BSM525M10 -72HPH	BSM530M10 -72HPH	BSM535M10 -72HPH	BSM540M10 -72HPH	BSM545M10 -72HPH	BSM550M -72HPH
Max Power(Pmax) [W]	525	530	535	540	545	550
Open Circuit Voltage (Voc) [V]	49.15	49.30	49.45	49.60	49.75	49.90
Max Power Voltage (Vmpp) [V]	41.15	41.31	41.47	41.64	41.80	41.96
Short Circuit Current (Isc) [A]	13.65	13.72	13.79	13.86	13.93	14.00
Max Power Current(Imp) [A]	12.76	12.83	12.90	12.97	13.04	13.11
Module Efficiency [%]	20.3	20.5	20.7	20.9	21.1	21.3
Power Tolerance	0-5W					
Max System Voltage	DC 1500V (IEC)					
Max Series Fuse Rating	25A					
Operating Temperature	-40 C to + 85 C					
STC	Irradiance 1000W/m ² , cell temperature 25 C, AM1.5G					

*For mechanical loading performance: front side maximum static loading 5400Pa, rear side maximum static loading 2400Pa; hailstone test: 25mm hailstone at the speed of 23m/s



NMOT

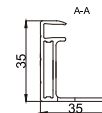
Model Number	BSM525M10 -72HPH	BSM530M10 -72HPH	BSM535M10 -72HPH	BSM540M10 -72HPH	BSM545M10 -72HPH	BSM550M10 -72HPH
Max Power(Pmax) [W]	397	401	405	408	412	416
Open Circuit Voltage (Voc) [V]	46.05	46.18	46.31	46.43	46.55	46.68
Max Power Voltage (Vmpp) [V]	38.36	38.57	38.78	38.99	39.20	39.43
Short Circuit Current (Isc) [A]	10.97	11.01	11.05	11.09	11.13	11.17
Max Power Current(Imp) [A]	10.35	10.39	10.43	10.47	10.51	10.55
NMOT	45±2°C					



Mechanical Characteristics

Solar Cells	Mono Perc 182mm×182mm
Dimensions	2279±2mm×1134±2mm×35±1mm
Weight	28.6kg±3%
Front Load	5400Pa
Connector Type	PV Connector
Junction Box	IP68, 3 bypass diode
Cables	4mm ² (IEC)
Glass	3.2mm High Transmission Tempered Glass
Frame	Anodized Aluminium Alloy
Packing	31pcs/pallet, 250pcs/20GP, 620pcs/40HQ

Units: mm



Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.350%/C
Temperature Coefficient of Voc	β (Voc)	-0.275%/C
Temperature Coefficient of Isc	α (Isc)	0.045%/C

I-V Curves

Current-Voltage Curve (BSM535M10-72HPH)

