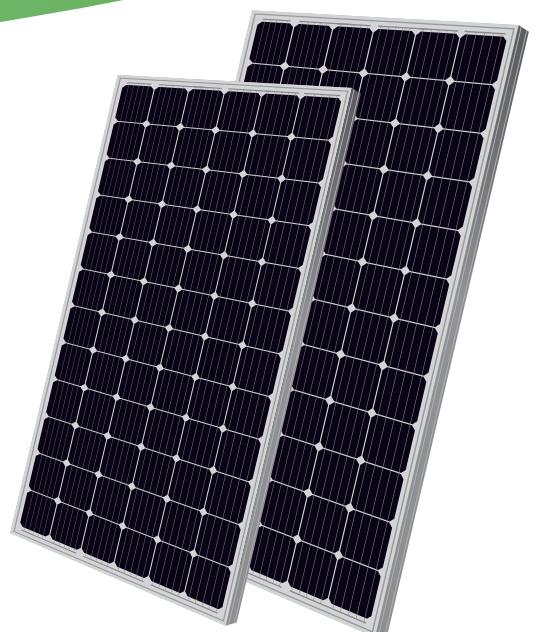


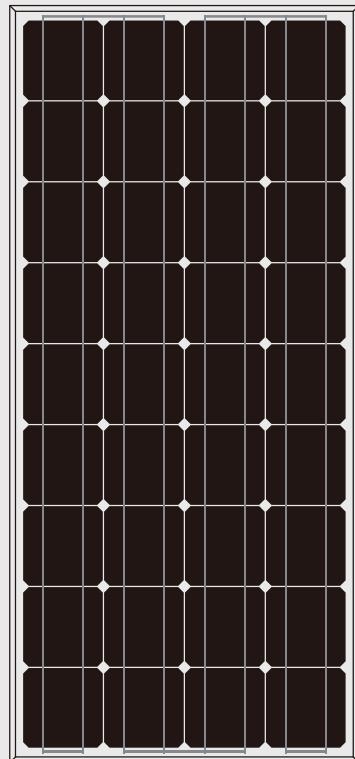
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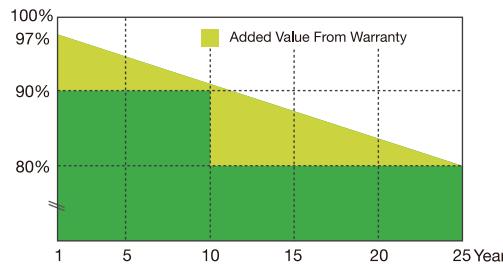
BSM100M-36 **Monocrystalline 36 cells 100w**

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

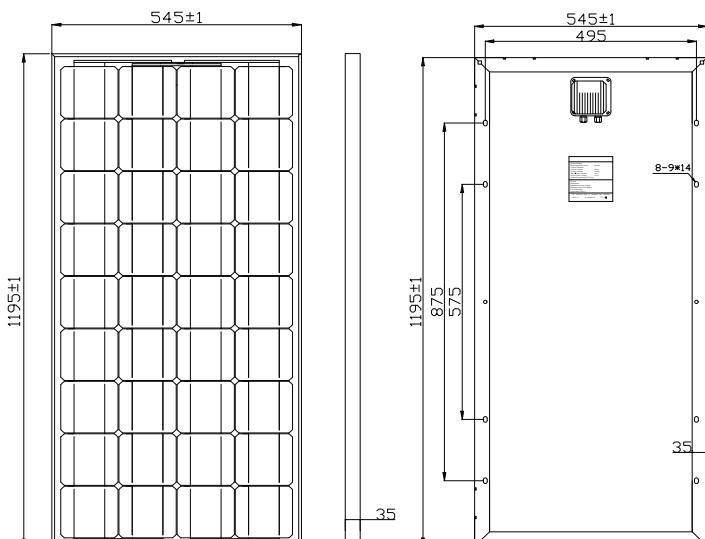
- Widely using of the most popular and mature type of modules for off-grid system
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD



Mechanical Parameters

Cell (mm)	Mono 125x125
Weight (kg)	8 (approx)
Glass Thickness	3.2mm
Dimensions (LxWxH) (mm)	1195x545x35
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	36 (4x9)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	25 Per Pallet

Engineering Drawings



Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

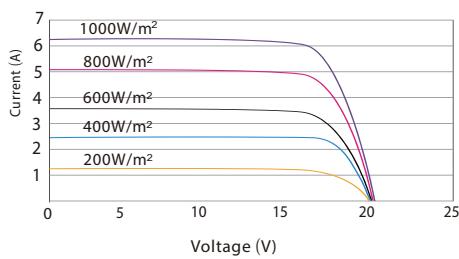
Electrical Parameters

Module	BSM100M-36
Rated Maximum Power at STC (W)	100
Open Circuit Voltage (Voc/V)	22.4
Maximum Power Voltage (Vmpp/V)	17.80
Short Circuit Current (Isc/A)	5.62
Maximum Power Current (Impp/A)	5.40
Module Efficiency [%]	15.67
Power Tolerance (W)	-0~+5W
Temperature Coefficient of Isc (αIsc)	+0.059%/°C
Temperature Coefficient of Voc (βVoc)	-0.330%/°C
Temperature Coefficient of Pmax (γPmp)	-0.410%/°C
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5

I-V Curve

(SDM-110)

Current-Voltage Characteristic (I-V Curve)



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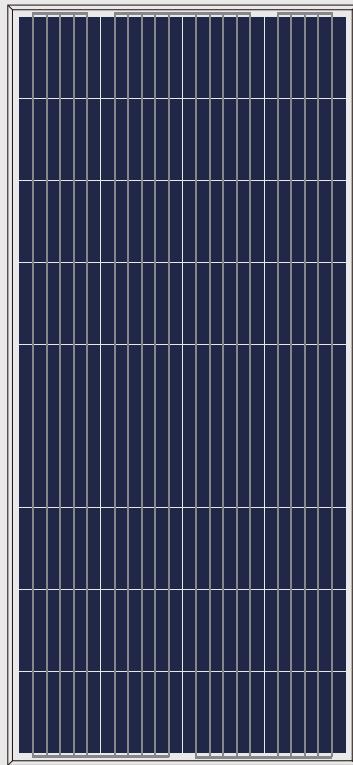
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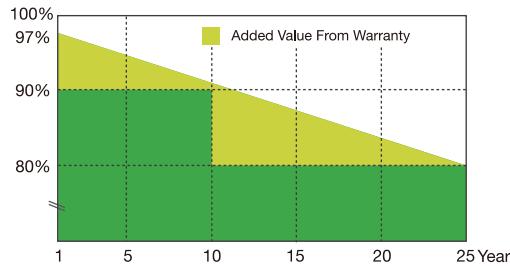
BSM175P-36/5BB polycrystalline 36 cells 155w-175w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

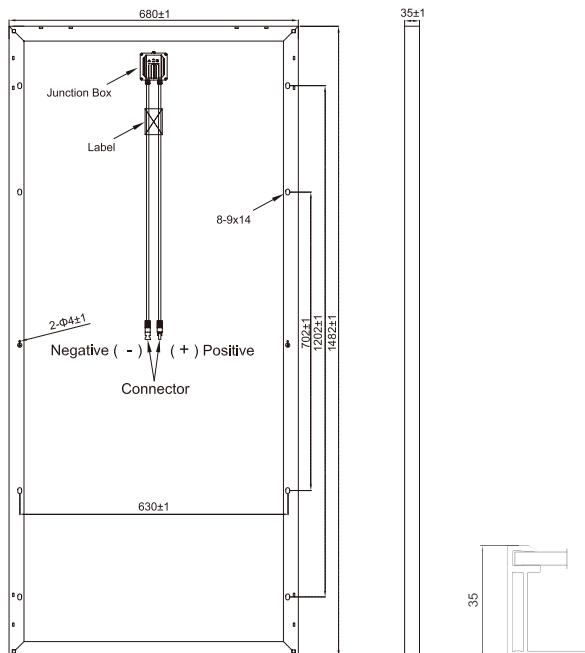
- Widely using of the most popular and mature type of modules for off-grid system
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD



Mechanical Parameters

Cell (mm)	Poly 156x156
Weight (kg)	12 (approx)
Glass Thickness	4 / 3.2 mm
Dimensions (L×W×H) (mm)	1482×680×35
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	36 (4×9)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	25 Per Pallet

Engineering Drawings



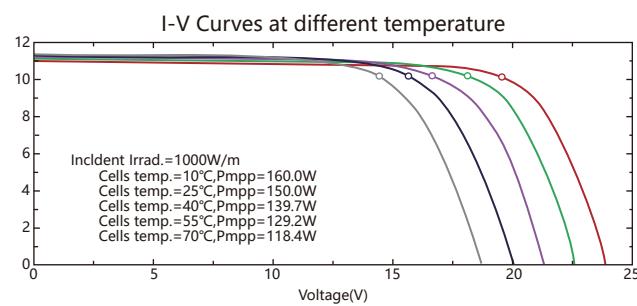
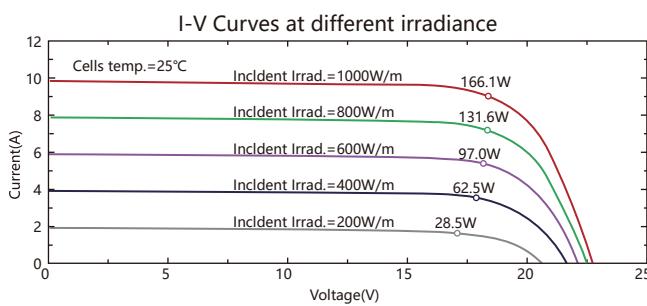
Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM155P-36	BSM160P-36	BSM165P-36	BSM170P-36	BSM175P-36
Rated Maximum Power at STC (W)	155	160	165	170	175
Open Circuit Voltage (Voc/V)	22.50	22.60	22.70	22.80	22.90
Maximum Power Voltage (Vmpp/V)	17.60	17.70	17.80	17.90	18.00
Short Circuit Current (Isc/A)	9.00	9.25	9.74	9.74	9.98
Maximum Power Current (Impp/A)	8.81	9.04	9.50	9.50	9.72
Module Efficiency [%]	15.57	16.08	16.58	17.09	17.58
Power Tolerance (W)	-0~+5W				
Temperature Coefficient of Isc (αisc)	+0.059%/°C				
Temperature Coefficient of Voc (βvoc)	-0.330%/°C				
Temperature Coefficient of Pmax (γpmp)	-0.410%/°C				
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

I-V Curve



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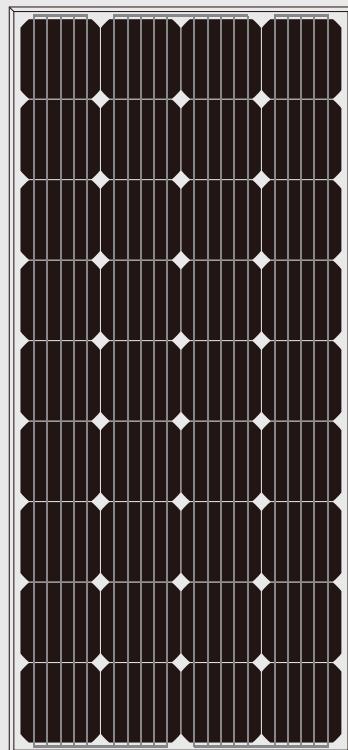
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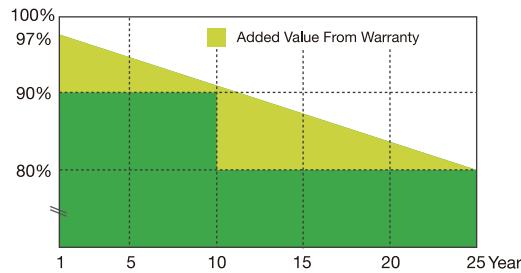
BSM190M-36/5BB Monocrystalline 36 cells 170w-190w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

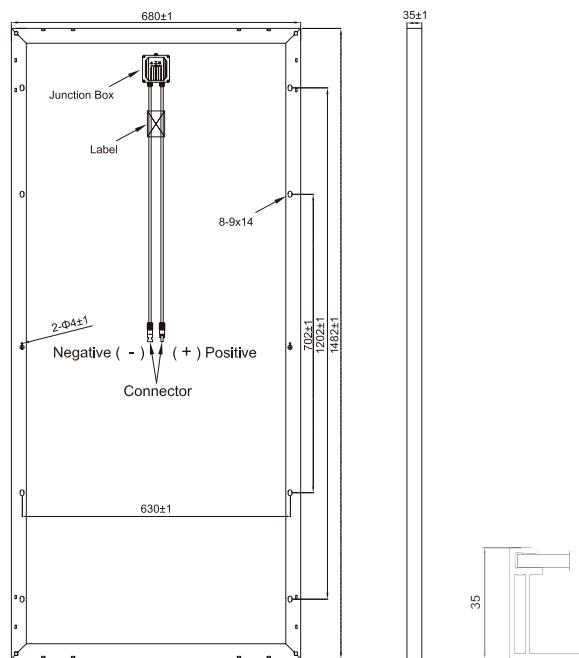
- Widely using of the most popular and mature type of modules for off-grid system
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD



Mechanical Parameters

Cell (mm)	Mono156x156
Weight (kg)	12 (approx)
Glass Thickness	4/3.2mm
Dimensions (L×W×H) (mm)	1482×680×35
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	36 (4×9)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	25 Per Pallet

Engineering Drawings



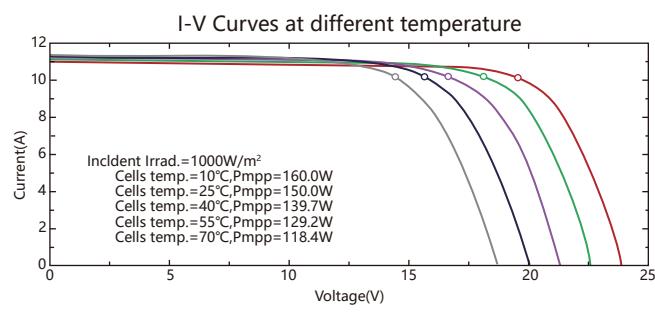
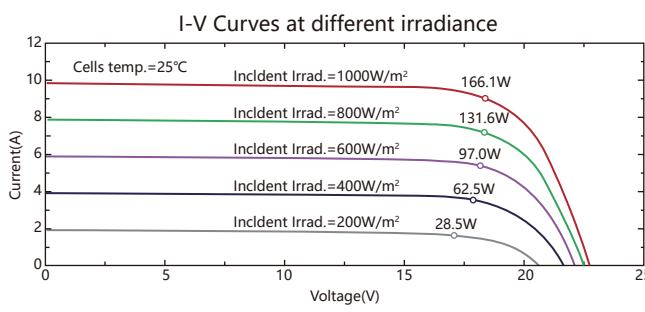
Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM170M-36	BSM175M-36	BSM180M-36	BSM185M-36	BSM190M-36
Rated Maximum Power at STC (W)	170	175	180	185	190
Open Circuit Voltage (Voc/V)	22.80	22.90	23.00	23.10	23.20
Maximum Power Voltage (Vmpp/V)	17.90	18.00	18.10	18.20	18.30
Short Circuit Current (Isc/A)	9.74	9.98	10.23	10.46	10.70
Maximum Power Current (Impp/A)	9.50	9.72	9.94	10.16	10.38
Module Efficiency [%]	17.08	17.58	18.09	18.59	19.09
Power Tolerance (W)	-0~+5W				
Temperature Coefficient of Isc (αisc)	+0.059%/°C				
Temperature Coefficient of Voc (βvoc)	-0.330%/°C				
Temperature Coefficient of Pmax (γpmp)	-0.410%/°C				
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

I-V Curve



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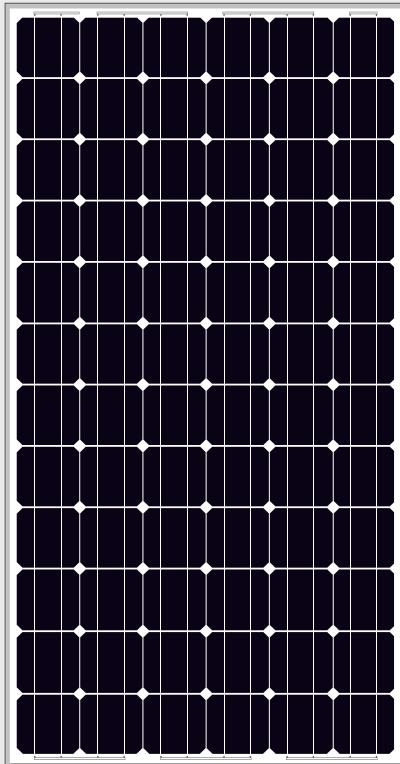
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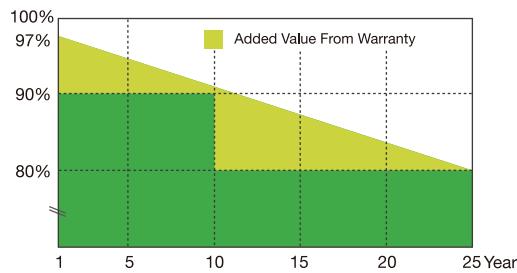
BSM200M-72 **Monocrystalline 72 cells 190w-210w**

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

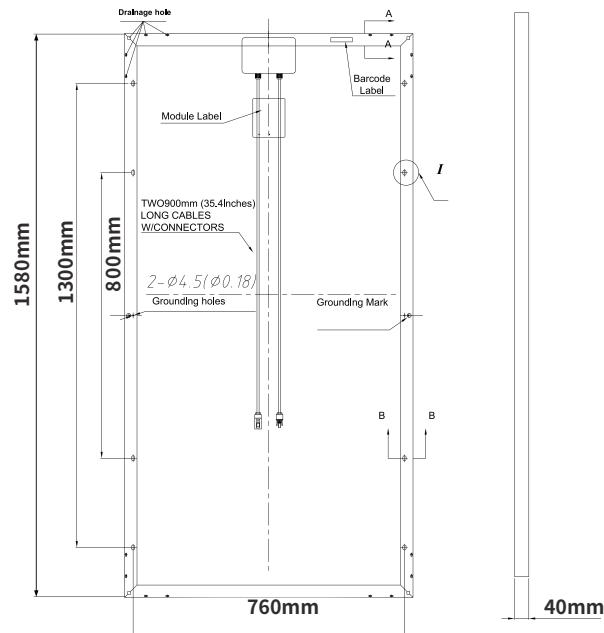
- Widely using of the most popular and mature type of modules for off-grid system
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD



Mechanical Parameters

Cell (mm)	Mono 125x125
Weight (kg)	15 (approx)
Glass Thickness	3.2
Dimensions (LxWxH) (mm)	1580x808x35/40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6x12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	25 Per Pallet

Engineering Drawings



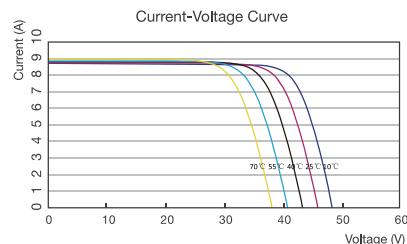
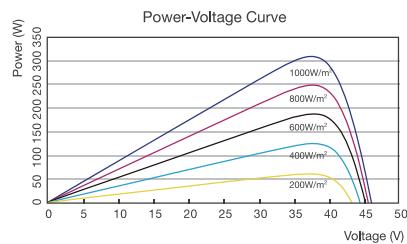
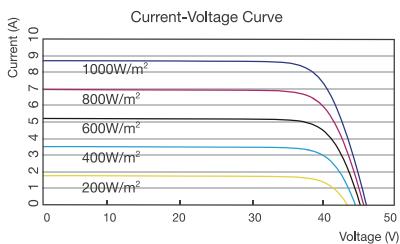
Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM190M-72	BSM195M-72	BSM200M-72	BSM205M-72	BSM210M-72
Rated Maximum Power at STC (W)	190	195	200	205	210
Open Circuit Voltage (Voc/V)	45.00	45.10	45.30	45.55	45.80
Maximum Power Voltage (Vmpp/V)	36.50	37.00	37.60	37.90	38.00
Short Circuit Current (Iscc/A)	5.56	5.63	5.72	5.57	5.83
Maximum Power Current (Imp/A)	5.21	5.28	5.33	5.41	5.53
Module Efficiency [%]	14.86	15.27	15.67	16.06	16.45
Power Tolerance (W)	-0~+5W				
Temperature Coefficient of Iscc (αIscc)	+0.059%/°C				
Temperature Coefficient of Voc (βVoc)	-0.330%/°C				
Temperature Coefficient of Pmax (γPmp)	-0.410%/°C				
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

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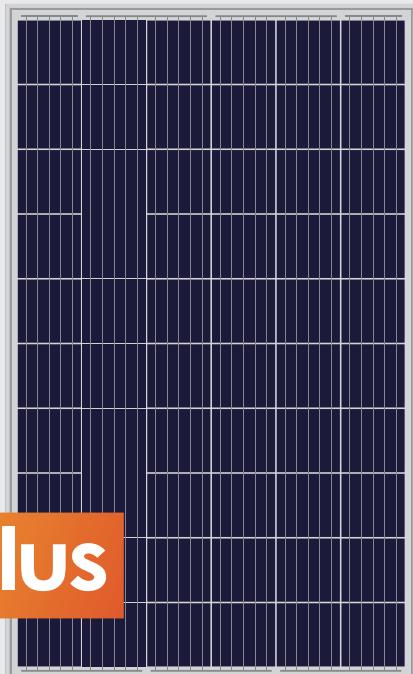
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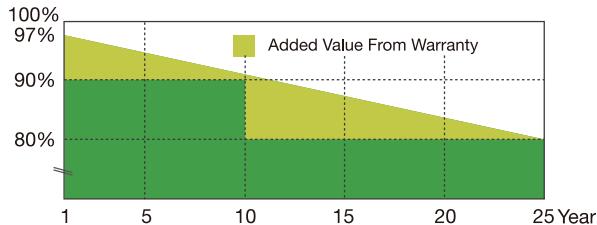
BSM300P-60/5BB Polycrystalline 60 cells 280w-300w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

- Polycrystalline modules designed for commercial and solar farm grid-tied applications
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD



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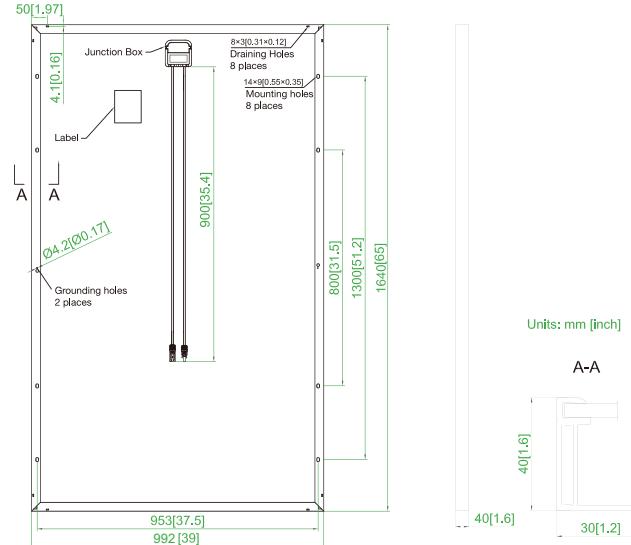




Mechanical Parameters

Cell (mm)	Poly 156x156
Weight (kg)	18 (approx)
Glass Thickness	4/3.2mm
Dimensions (LxWxH) (mm)	1640/1650x992x35/40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	60 (6x10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

Engineering Drawings



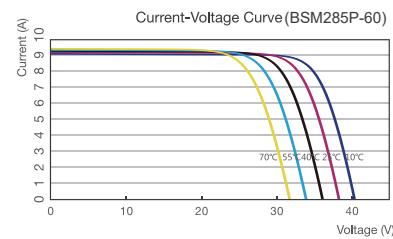
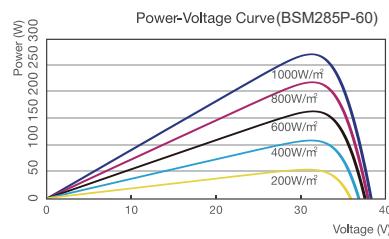
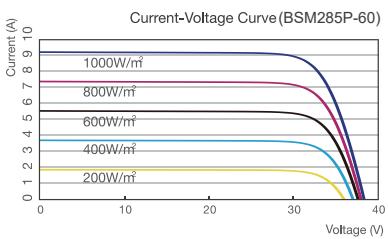
Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM280P-60	BSM285P-60	BSM290P-60	BSM295P-60	BSM300P-60
Rated Maximum Power at STC (W)	280	285	290	295	300
Open Circuit Voltage (Voc/V)	38.85	38.95	39.63	40.02	40.41
Maximum Power Voltage (Vmpp/V)	31.88	32.18	32.56	32.90	33.24
Short Circuit Current (Isc/A)	9.33	9.43	9.56	9.63	9.70
Maximum Power Current (Imp/A)	8.78	8.85	8.91	8.97	9.03
Module Efficiency [%]	17.12	17.55	17.86	18.16	18.47
Power Tolerance (W)			-0~+5W		
Temperature Coefficient of Isc (αisc)			+0.058%/°C		
Temperature Coefficient of Voc (βVoc)			-0.330%/°C		
Temperature Coefficient of Pmax (γPmp)			-0.410%/°C		
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

I-V Curve



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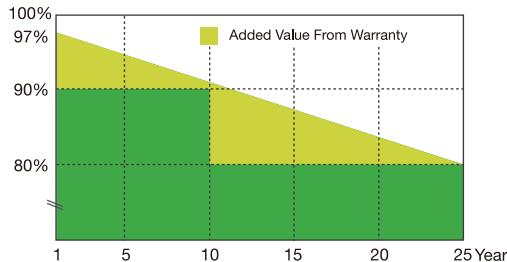
BSM330M-60/5BB **Monocrystalline 60 cells 300w-330w**

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

- Monocrystalline modules designed for commercial and solar farm grid-tied applications
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD

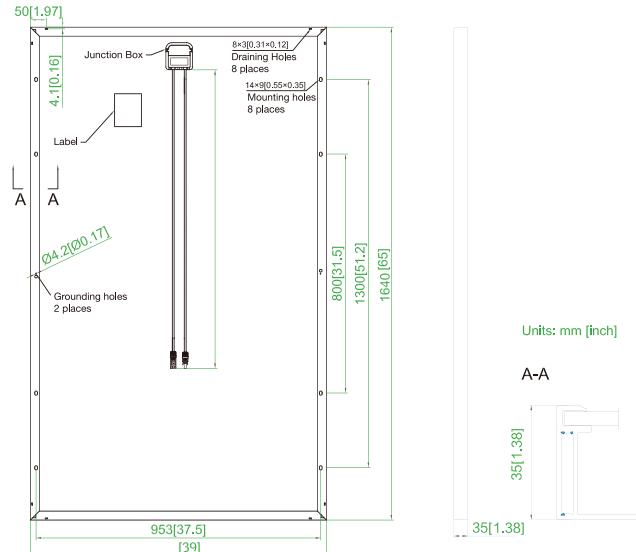




Mechanical Parameters

Cell (mm)	Mono 156x156
Weight (kg)	18.2 (approx)
Glass Thickness	4/3.2 mm
Dimensions (LxWxH) (mm)	1640/1650x992x35/40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	60 (6x10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

Engineering Drawings



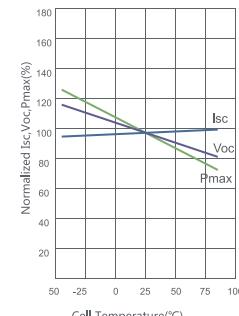
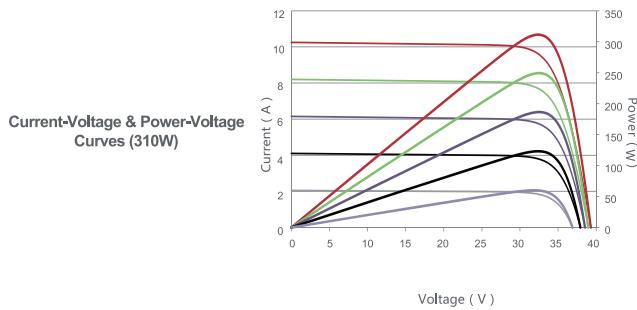
Working Conditions

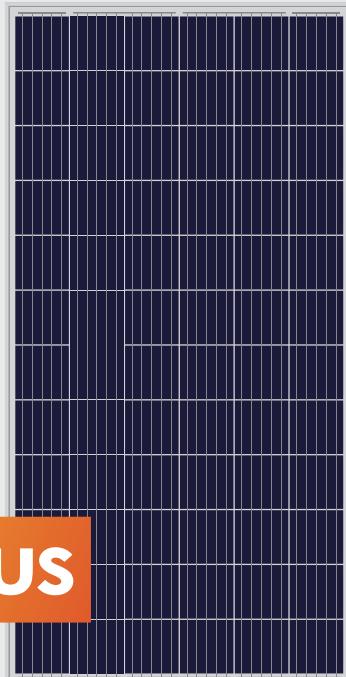
Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM300M-60	BSM310M-60	BSM320M-60	BSM330M-60
Rated Maximum Power at STC (W)	300	310	320	330
Open Circuit Voltage (Voc/V)	39.82	40.18	40.9	41.3
Maximum Power Voltage (Vmpp/V)	32.51	32.95	33.4	33.8
Short Circuit Current (Isc/A)	9.84	10.08	10.15	10.34
Maximum Power Current (Impp/A)	9.23	9.41	9.59	9.77
Module Efficiency [%]	18.44	19.05	19.66	20.28
Power Tolerance (W)	-0~+5W			
Temperature Coefficient of Isc (αsc)	+0.048%/°C			
Temperature Coefficient of Voc (βVoc)	-0.280%/°C			
Temperature Coefficient of Pmax (γPmp)	-0.370%/°C			
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5			

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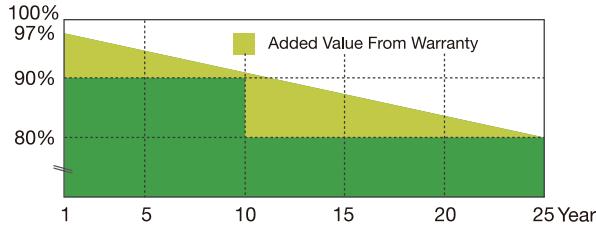
BSM355P-72/5BB **Polycrystalline 72 cells 335w-355w**

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

- Polycrystalline modules designed for commercial and solar farm grid-tied applications
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD



Mechanical Parameters

Cell (mm)	Poly 156x156
Weight (kg)	21 (approx)
Glass Thickness	4 / 3.2mm
Dimensions (LxWxH) (mm)	1956x992x35/40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6x12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

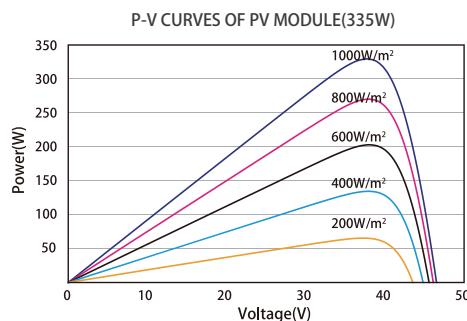
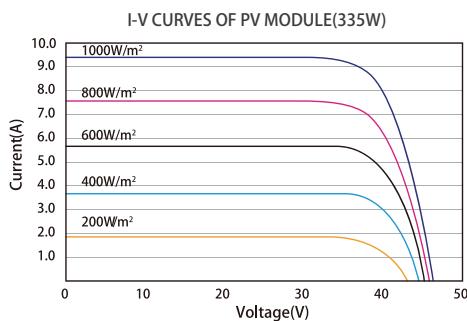
Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM335P-72	BSM340P-72	BSM345P-72	BSM350P-72	BSM355P-72
Peak Power Watts-P MAX (Wp)*	335	340	345	350	355
Power Output Tolerance-P MAX (W)			0 ~ +5		
Maximum Power Voltage-V MPP (V)	37.9	38.2	38.4	38.5	38.7
Maximum Power Current-I MPP (A)	8.84	8.90	9.00	9.09	9.17
Open Circuit Voltage-V oc (V)	46.3	46.5	46.7	46.9	47.0
Short Circuit Current-I sc (A)	9.36	9.45	9.50	9.60	9.69
Module Efficiency η% (%)	17.3	17.5	17.8	18.0	18.3
Temperature Coefficient of Isc (αIs)			+0.058%/°C		
Temperature Coefficient of Voc (βVoc)			-0.330%/°C		
Temperature Coefficient of Pmax (γPmp)			-0.410%/°C		
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

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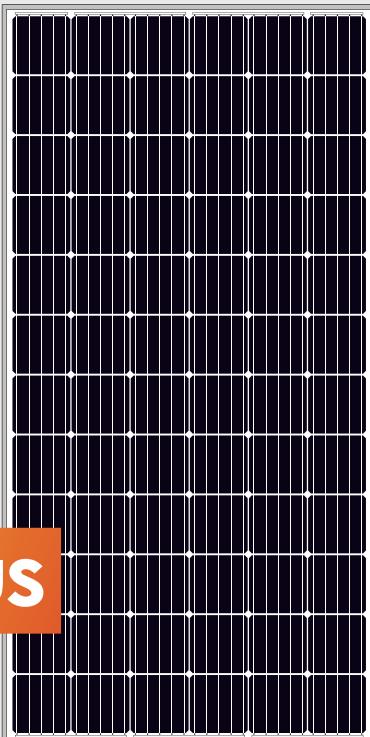
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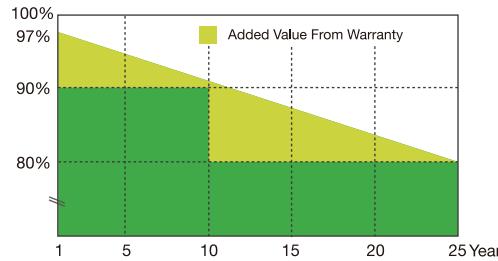
BSM400M-72/5BB Monocrystalline 72 cells 370w-400w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features



Monocrystalline modules designed for commercial and solar farm grid-tied applications



High power output and highest conversion efficiency



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV SUD

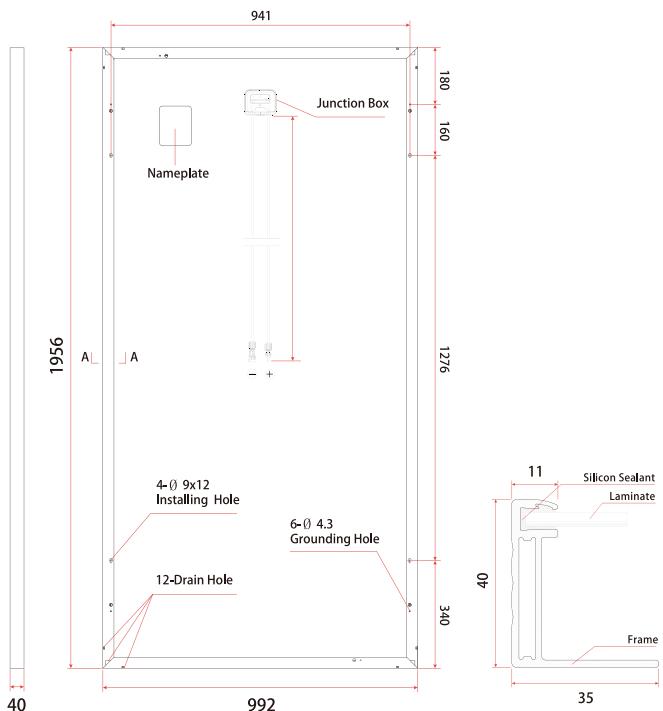




Mechanical Parameters

Cell (mm)	Mono 156.75 x 156.75
Weight (kg)	21.5(approx)
Glass Thickness	4/3.2mm
Dimensions (LxWxH) (mm)	1956x992x35/40
Cable Cross Section Size (mm ²)	3.2
No. of Cells and Connections	72 (6x12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

Engineering Drawings



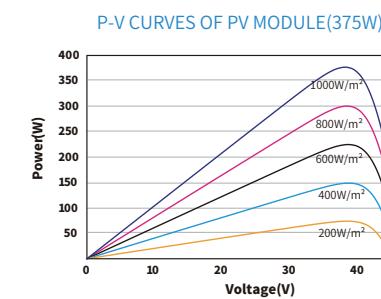
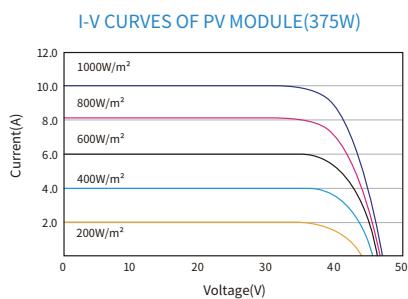
Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM370M-72	BSM380M-72	BSM390M-72	BSM400M-72
Peak Power Watts-P _{MAX} (Wp)*	370	380	390	400
Maximum Power Voltage-V _{MPP} (V)	39.51	39.95	40.39	40.78
Maximum Power Current-I _{MPP} (A)	9.37	9.52	9.67	9.82
Open Circuit Voltage-V _{oc} (V)	48.23	48.67	49.11	49.55
Short Circuit Current-I _{sc} (A)	10.03	10.22	10.41	10.59
Module Efficiency η _m (%)	19.06	19.58	20.09	20.61
Power Tolerance (W)	-0~+5W			
Temperature Coefficient of Isc (α _{Isc})	+0.059%/°C			
Temperature Coefficient of Voc (β _{Voc})	-0.330%/°C			
Temperature Coefficient of Pmax (γ _{Pmp})	-0.410%/°C			
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5			

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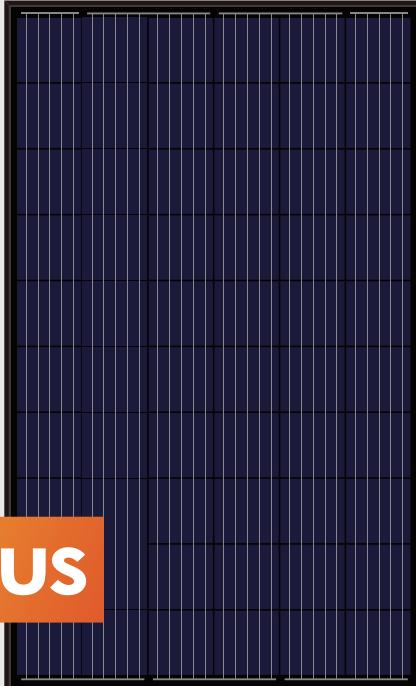
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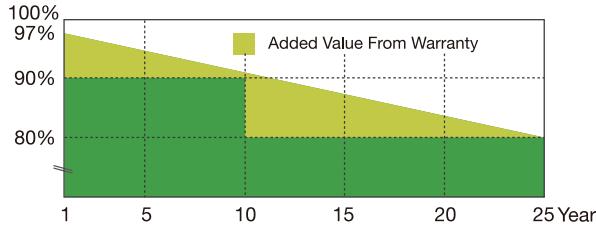
BSM300P-60/5BB Black Polycrystalline 60 cells 280w-300w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

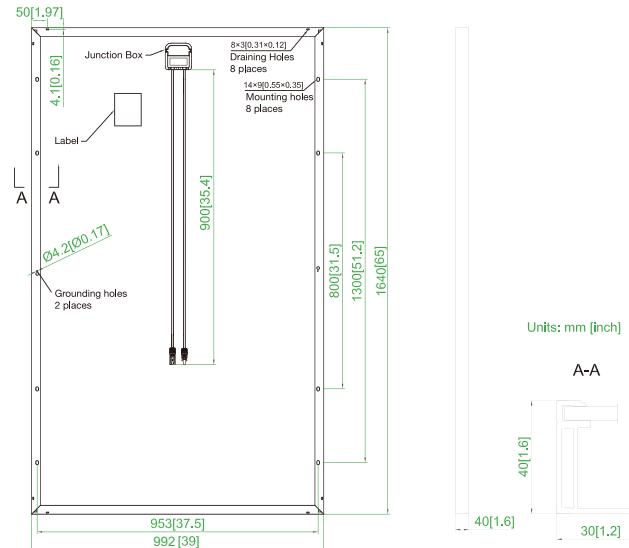
- Polycrystalline modules designed for commercial and solar farm grid-tied applications
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD



Mechanical Parameters

Cell (mm)	Poly 156x156
Weight (kg)	18 (approx)
Glass Thickness	4/3.2mm
Dimensions (LxWxH) (mm)	1640/1650x992x35/40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	60 (6x10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

Engineering Drawings



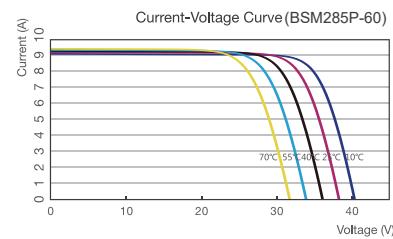
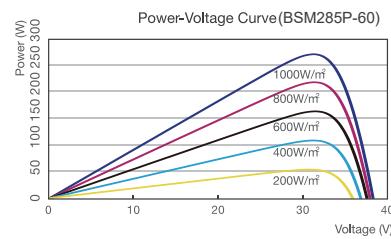
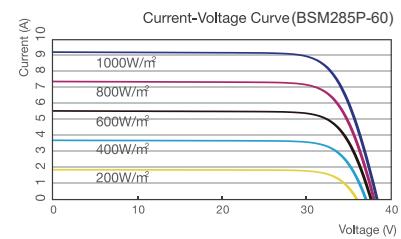
Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM280P-60	BSM285P-60	BSM290P-60	BSM295P-60	BSM300P-60
Rated Maximum Power at STC (W)	280	285	290	295	300
Open Circuit Voltage (Voc/V)	38.85	38.95	39.63	40.02	40.41
Maximum Power Voltage (Vmpp/V)	31.88	32.18	32.56	32.90	33.24
Short Circuit Current (Isc/A)	9.33	9.43	9.56	9.63	9.70
Maximum Power Current (Imp/A)	8.78	8.85	8.91	8.97	9.03
Module Efficiency [%]	17.12	17.55	17.86	18.16	18.47
Power Tolerance (W)			-0~+5W		
Temperature Coefficient of Isc (αisc)			+0.058%/°C		
Temperature Coefficient of Voc (βVoc)			-0.330%/°C		
Temperature Coefficient of Pmax (γPmp)			-0.410%/°C		
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

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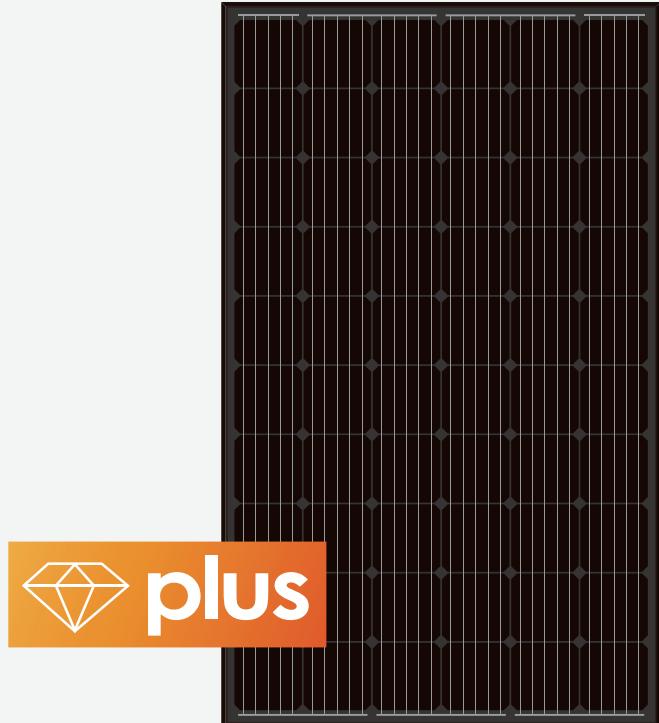
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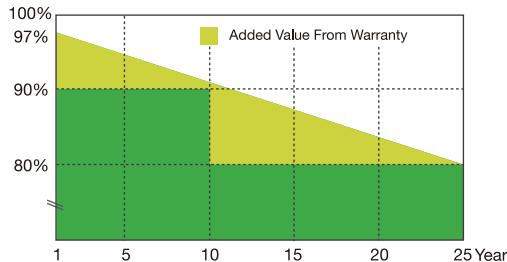
BSM330M-60/5BB* *Black Monocrystalline 60 cells 300w-330w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

- Monocrystalline modules designed for commercial and solar farm grid-tied applications
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD

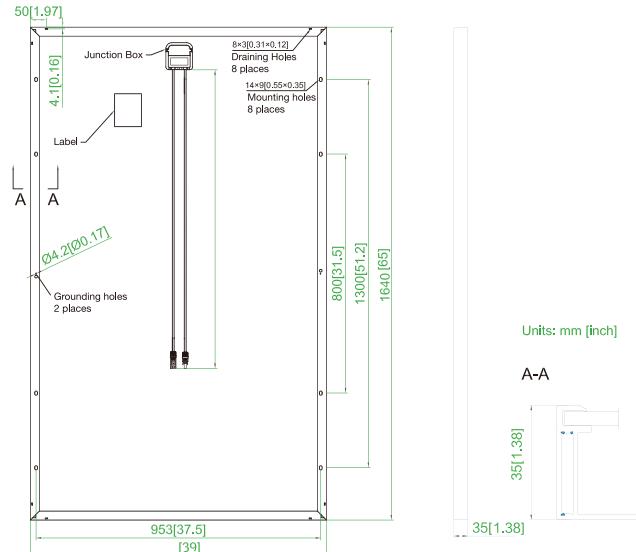




Mechanical Parameters

Cell (mm)	Mono156x156
Weight (kg)	18.2 (approx)
Glass Thickness	4/3.2mm
Dimensions (LxWxH) (mm)	1640/1650x992x35/40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	60 (6x10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

Engineering Drawings



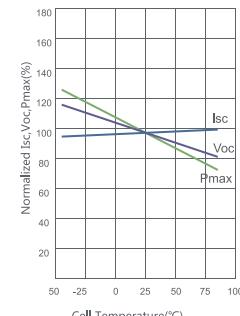
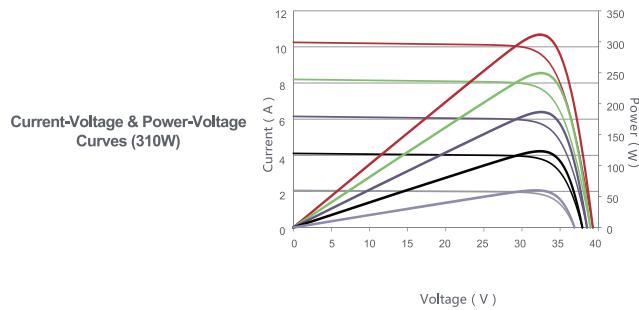
Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM300M-60	BSM310M-60	BSM320M-60	BSM330M-60
Rated Maximum Power at STC (W)	300	310	320	330
Open Circuit Voltage (Voc/V)	39.82	40.18	40.9	41.3
Maximum Power Voltage (Vmpp/V)	32.51	32.95	33.4	33.8
Short Circuit Current (Isc/A)	9.84	10.08	10.15	10.34
Maximum Power Current (Impp/A)	9.23	9.41	9.59	9.77
Module Efficiency [%]	18.44	19.05	19.66	20.28
Power Tolerance (W)	-0~+5W			
Temperature Coefficient of Isc (αsc)	+0.048%/°C			
Temperature Coefficient of Voc (βVoc)	-0.280%/°C			
Temperature Coefficient of Pmax (γPmp)	-0.370%/°C			
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5			

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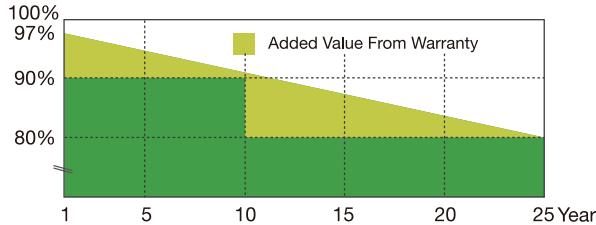
BSM355P-72/5BB Black Polycrystalline 72 cells 335w-355w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

- Polycrystalline modules designed for commercial and solar farm grid-tied applications
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD



Mechanical Parameters

Cell (mm)	Poly 156x156
Weight (kg)	21 (approx)
Glass Thickness	4 / 3.2mm
Dimensions (LxWxH) (mm)	1956x992x35/40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6x12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

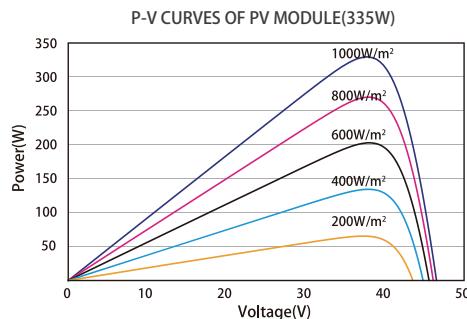
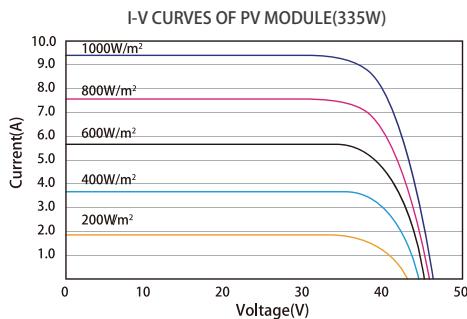
Working Conditions

Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM335P-72	BSM340P-72	BSM345P-72	BSM350P-72	BSM355P-72
Peak Power Watts-P MAX (Wp)*	335	340	345	350	355
Power Output Tolerance-P MAX (W)			0 ~ +5		
Maximum Power Voltage-V MPP (V)	37.9	38.2	38.4	38.5	38.7
Maximum Power Current-I MPP (A)	8.84	8.90	9.00	9.09	9.17
Open Circuit Voltage-V oc (V)	46.3	46.5	46.7	46.9	47.0
Short Circuit Current-I sc (A)	9.36	9.45	9.50	9.60	9.69
Module Efficiency η% (%)	17.3	17.5	17.8	18.0	18.3
Temperature Coefficient of Isc (αsc)			+0.058%/°C		
Temperature Coefficient of Voc (βVoc)			-0.330%/°C		
Temperature Coefficient of Pmax (γPmp)			-0.410%/°C		
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

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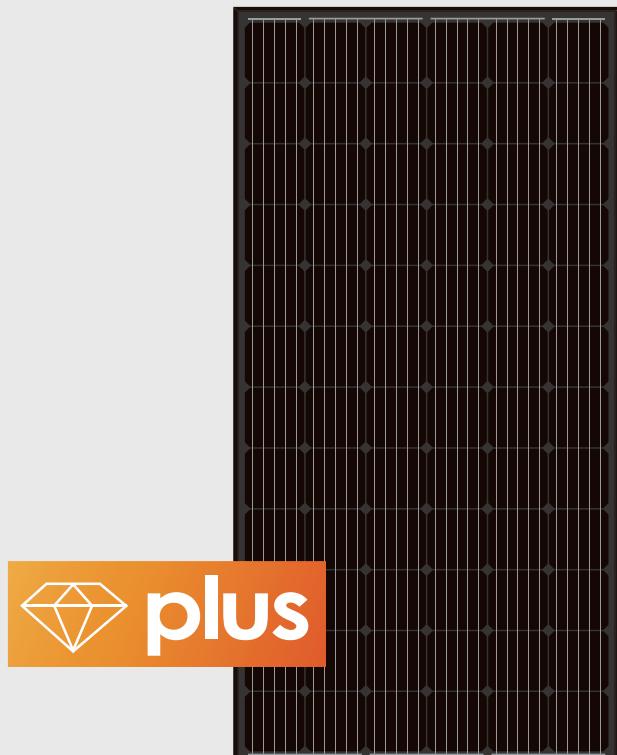
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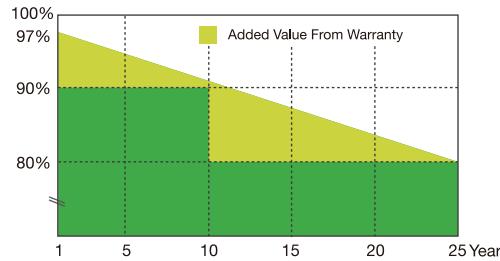
BSM400M-72/5BB Black Monocrystalline 72 cells 370w-400w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features



Monocrystalline modules designed for commercial and solar farm grid-tied applications



High power output and highest conversion efficiency



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV SUD

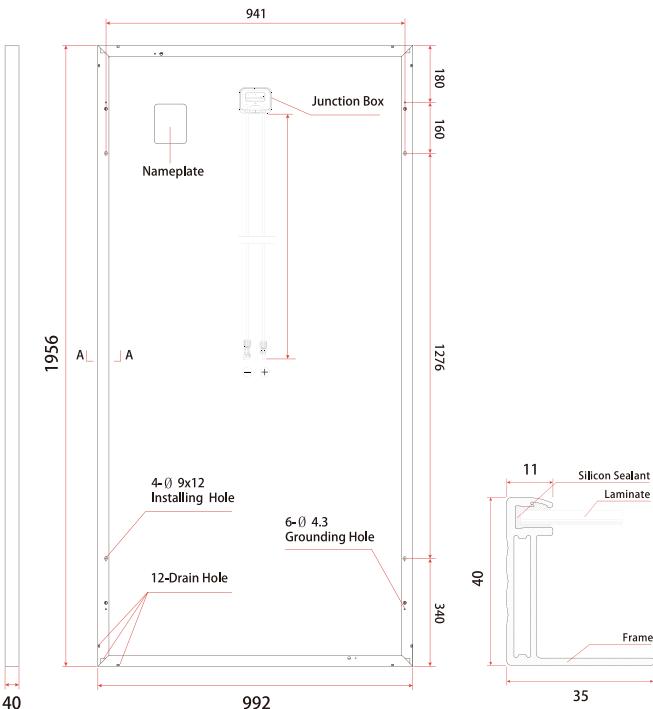




Mechanical Parameters

Cell (mm)	Mono 156.75 x 156.75
Weight (kg)	21.5(approx)
Glass Thickness	4/3.2mm
Dimensions (LxWxH) (mm)	1956x992x35/40
Cable Cross Section Size (mm ²)	3.2
No. of Cells and Connections	72 (6x12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

Engineering Drawings



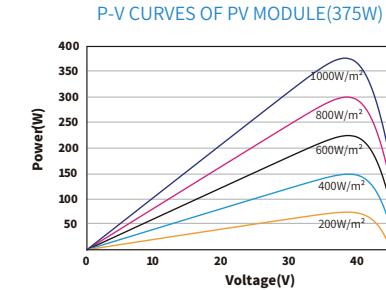
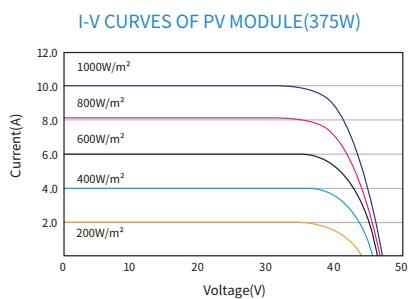
Working Conditions

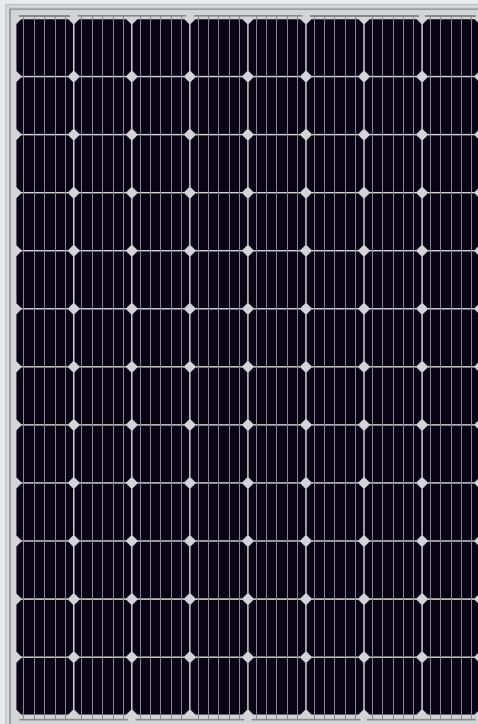
Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM370M-72	BSM380M-72	BSM390M-72	BSM400M-72
Peak Power Watts-P _{MAX} (Wp)*	370	380	390	400
Maximum Power Voltage-V _{MPP} (V)	39.51	39.95	40.39	40.78
Maximum Power Current-I _{MPP} (A)	9.37	9.52	9.67	9.82
Open Circuit Voltage-V _{oc} (V)	48.23	48.67	49.11	49.55
Short Circuit Current-I _{sc} (A)	10.03	10.22	10.41	10.59
Module Efficiency η _m (%)	19.06	19.58	20.09	20.61
Power Tolerance (W)	-0~+5W			
Temperature Coefficient of Isc (α _{Isc})	+0.059%/°C			
Temperature Coefficient of Voc (β _{Voc})	-0.330%/°C			
Temperature Coefficient of Pmax (γ _{Pmp})	-0.410%/°C			
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5			

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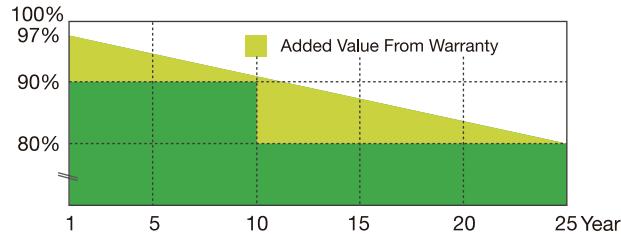
BSM500M-96 **Monocrystalline 96 cells 440w-500w**

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features

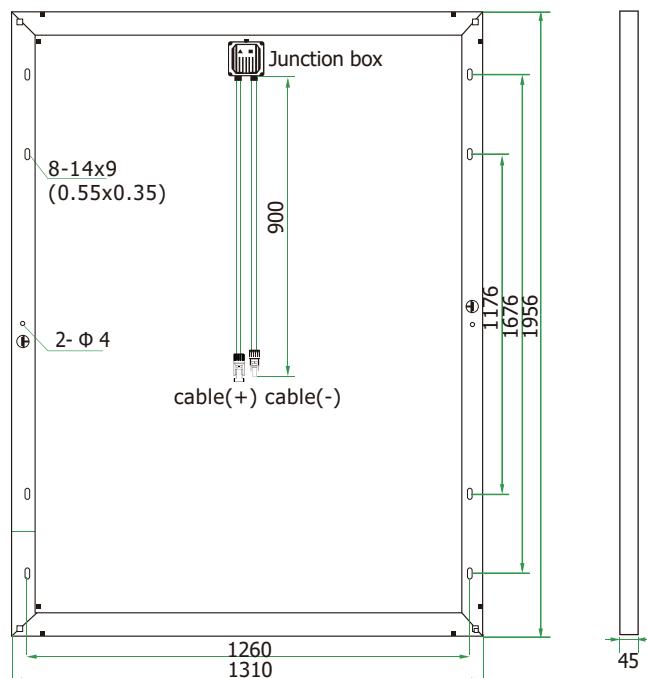
- Monocrystalline modules designed for commercial and solar farm grid-tied applications
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV SUD



Mechanical Parameters

Cell (mm)	Mono 156x156
Weight (kg)	26 (approx)
Glass Thickness	3.2mm
Dimensions (LxWxH) (mm)	1956x1310x45
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	96(8x12)
Junction Box	IP67
Connector	MC4 Compatible
Packaging Configuration	23 Per Pallet

Engineering Drawings



Working Conditions

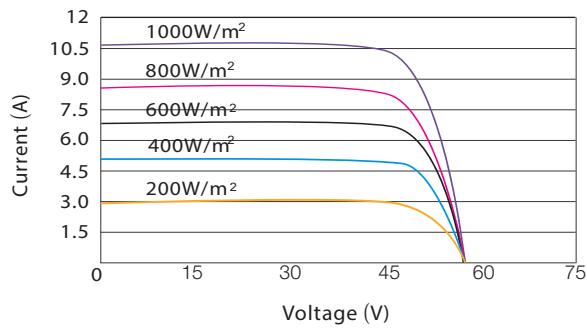
Maximum System Voltage	DC 1000V/1500V (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

Module	BSM440M-96	BSM450M-96	BSM460M-96	BSM470M-96	BSM480M-96	BSM490M-96	BSM500M-96
Peak Power Watts-P _{MAX} (Wp)*	440	450	460	470	480	490	500
Power Output Tolerance-P _{MAX} (W)				0 ~ +5			
Maximum Power Voltage-V _{MPP} (V)	47.78	47.87	48.01	48.25	48.35	48.45	48.63
Maximum Power Current-I _{MPP} (A)	9.21	9.40	9.59	9.74	9.93	10.12	10.28
Open Circuit Voltage-V _{OC} (V)	58.50	58.57	58.75	58.82	58.89	58.95	59.01
Short Circuit Current-I _{SC} (A)	9.40	9.73	9.78	9.90	10.04	10.67	10.87
Module Efficiency η _m (%)	17.17	17.56	17.95	18.34	18.73	19.12	19.51
Temperature Coefficient of I _{SC} (α _{Isc})				+0.058%/°C			
Temperature Coefficient of V _{OC} (β _{Voc})				-0.330%/°C			
Temperature Coefficient of P _{max} (γ _{Pmp})				-0.410%/°C			
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5						

I-V Curve

P-V CURVES OF PV MODULE(500W)



CONFORMS TO
UL STD.1703
CERTIFIED TO
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C1703



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280-300W

2mm+2mm
Thickness

18.47%
Max efficiency

30 years
Warranty



Assemble with thinner and lighter glass in only 2mm



Great heat dissipation by replacing backsheet with glass to increase power generation



PID free by frameless design



Fully symmetrical structure to prevent micro crack



Encapsulate with POE, lower water permeability, to avoid delamination



No snail trail



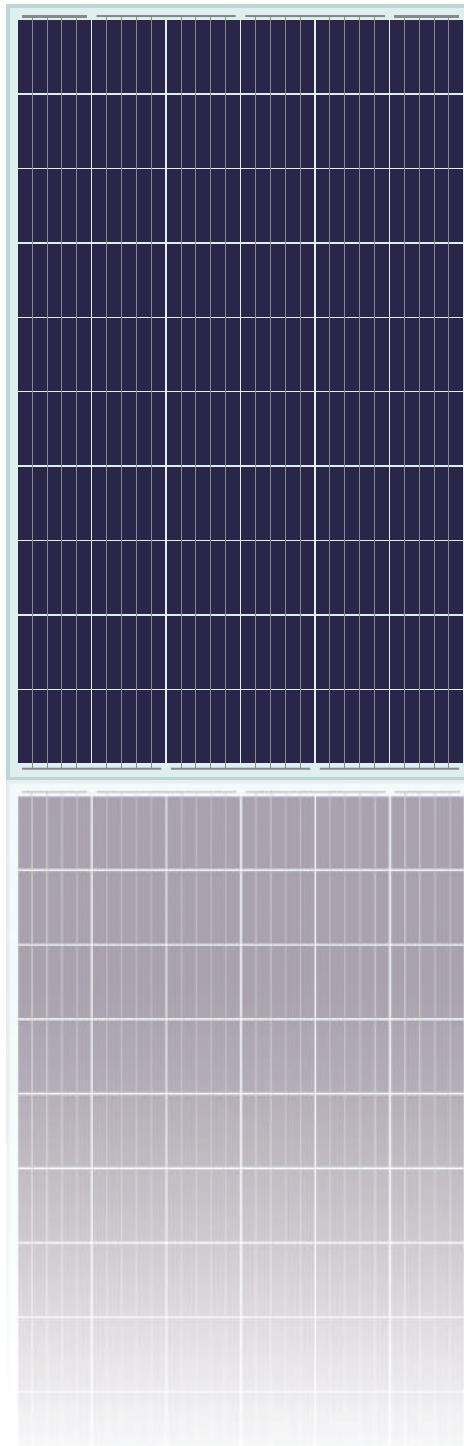
Highly anti-corrosion, such as ammonia or saline



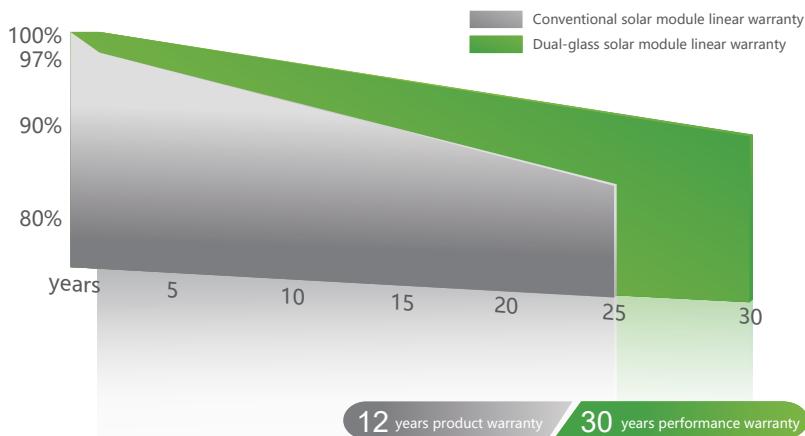
30-year linear performance warranty ensure higher ROI of the power plant



Class A fire protection lead to better flame resistance, ideal for rooftop system

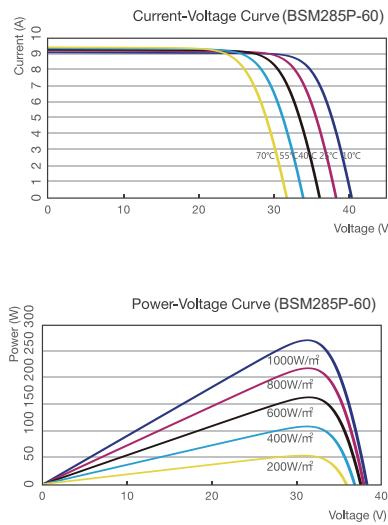


Dual-glass solar module linear warranty





I-V & P-V Curve

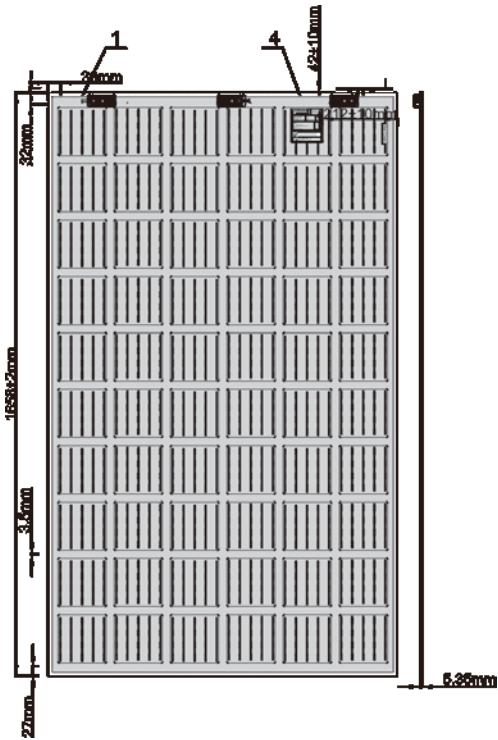


ELECTRICAL SPECIFICATION (STC)

Module	BSM285P-60D	BSM290P-60D	BSM295P-60D	BSM300P-60D
Rated Power (Pmpp) (W)	285	290	295	300
Power Output Tolerance (W)	0~+5			
Rated Current (Impp) (A)	8.85	8.91	8.97	9.03
Rated Voltage (Vmpp) (V)	32.18	32.56	32.90	33.24
Short Circuit Current (Isc) (A)	9.43	9.56	9.63	9.70
Open Circuit Voltage (Voc) (V)	38.95	39.63	40.02	40.41
Efficiency(%)	17.55	17.86	18.16	18.47
Operational Temperature	-40~+85°C			
Maximum Static Load	5400Pa			
Maximum Wind Load	2400Pa			
Maximum System Voltage	IEC:1000/1500V			
Maximum Series Fuse Rating	20A			

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

DIMENSION(mm)



MECHANICAL SPECIFICATION

Cell Type	Poly-crystalline
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1658mm × 992mm × 5mm (J-box not included)
Weight	19.6kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
Connector	MC4 / MC4 equivalent

TEMPERATURE COEFFICIENT

NOCT (Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Isc	+0.0446%/°C
Temperature Coefficient of Voc (β)	-0.2913%/°C
Temperature Coefficient of Pmpp (γ)	-0.3804%/°C

PACKAGING CONFIGURATION

Modules per box	38 pieces
Modules per 40' container	988 pieces



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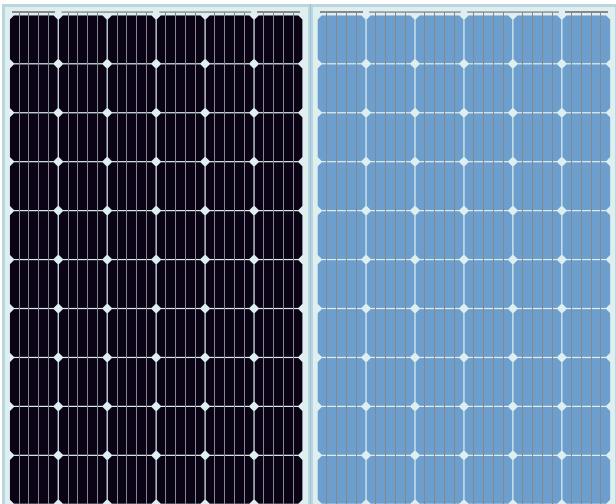
295-310W

Bifacial
Solar cell

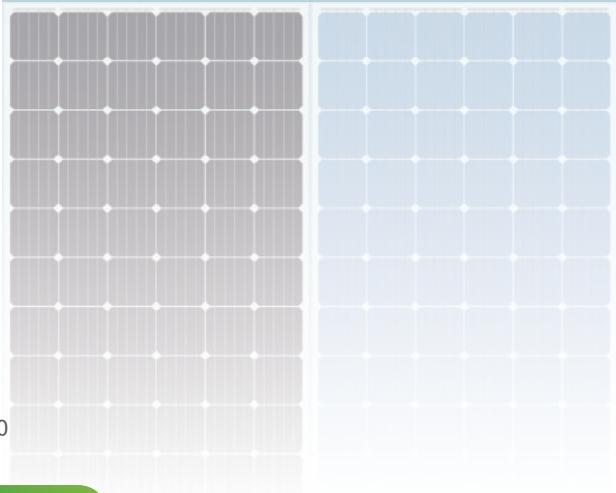
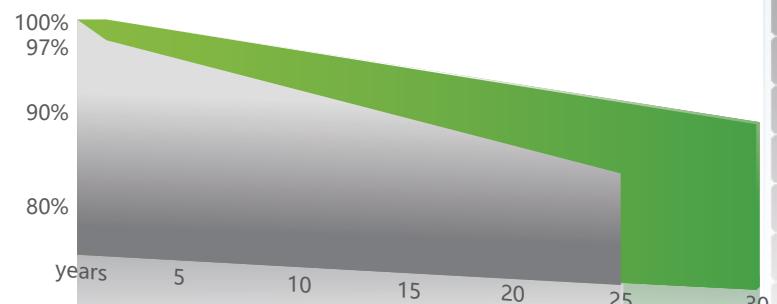
18.8%
Max efficiency

30 years
Warranty

2 mm+2 mm
Thickness



Dual-glass solar module linear warranty



Power generated on both sides, up to 30% yield increasing

Assemble with thinner and lighter glass in only 2mm

Great heat dissipation by replacing backsheet with glass to increase power generation

PID free by frameless design

Fully symmetrical structure to prevent micro crack

Encapsulate with POE, lower water permeability, to avoid delamination

No snail trail

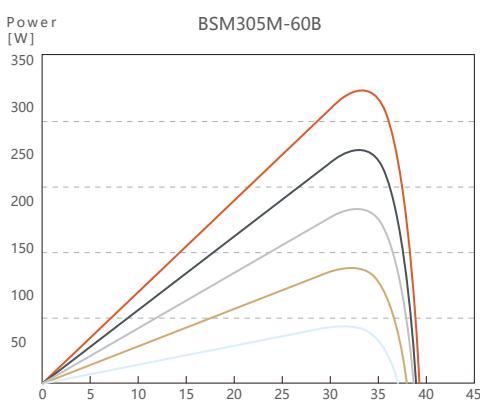
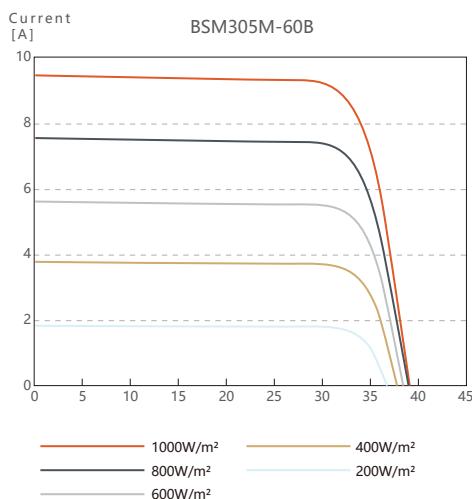
Highly anti-corrosion, such as ammonia or saline

30-year linear performance warranty ensure higher ROI of the power plant

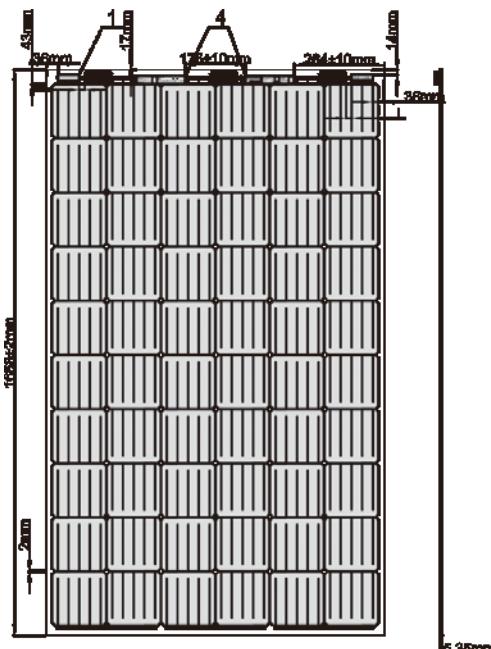




I-V & P-V Curve



DIMENSION(mm)



ELECTRICAL SPECIFICATION (STC)

Module	BSM295M-60B	BSM300M-60B	BSM305M-60B	BSM310M-60B
Rated Power (Pmpp) (W)	295	300	305	310
Power Output Tolerance (W)		0~+5		
Rated Current (Imp) (A)	9.05	9.19	9.24	9.34
Rated Voltage (Vmpp) (V)	32.62	32.65	33.01	33.20
Short Circuit Current (Isc) (A)	9.61	9.69	9.74	9.82
Open Circuit Voltage (Voc) (V)	39.66	39.75	39.92	40.01
Efficiency(%)	17.9	18.2	18.5	18.8
Operational Temperature		-40~+85°C		
Maximum Static Load		5400Pa		
Maximum Wind Load		2400Pa		
Maximum System Voltage		IEC:1000/1500V		
Maximum Series Fuse Rating		20A		

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

MECHANICAL SPECIFICATION

Cell Type	bifacial cells
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1658mm × 992mm × 5mm (J-box not included)
Weight	19.6kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
Connector	MC4 / MC4 equivalent

TEMPERATURE COEFFICIENT

NOCT (Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Isc	+0.0484%/°C
Temperature Coefficient of Voc (β)	-0.2883%/°C
Temperature Coefficient of Pmpp (γ)	-0.3797%/°C

PACKAGING CONFIGURATION

Modules per box	38 pieces
Modules per 40' container	988 pieces



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295-310W

2mm+2mm
Thickness

18.8%
Max efficiency

30 years
Warranty

 Assemble with thinner and lighter glass in only 2mm

 Great heat dissipation by replacing backsheet with glass to increase power generation

 PID free by frameless design

 Fully symmetrical structure to prevent micro crack

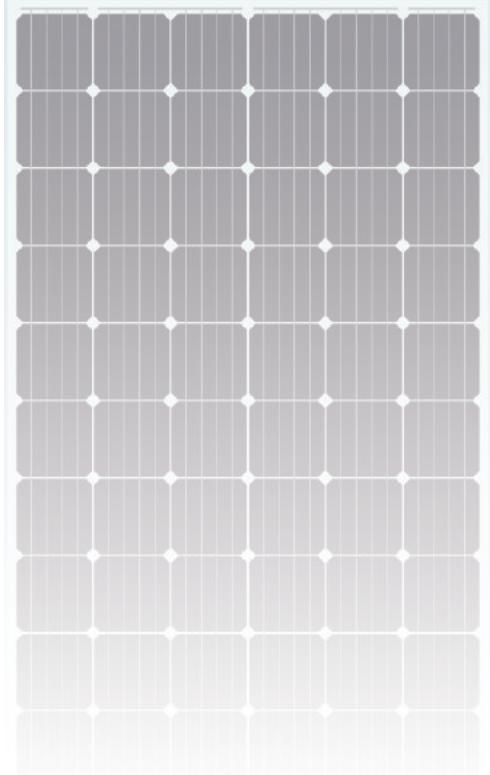
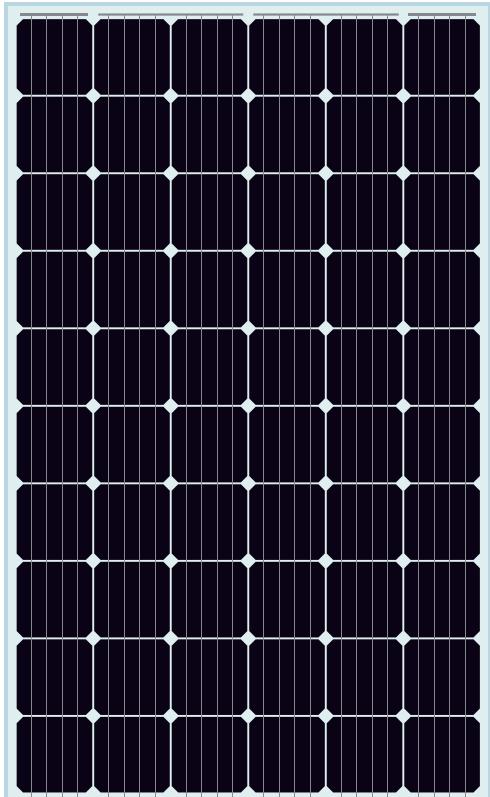
 Encapsulate with POE, lower water permeability, to avoid delamination

 No snail trail

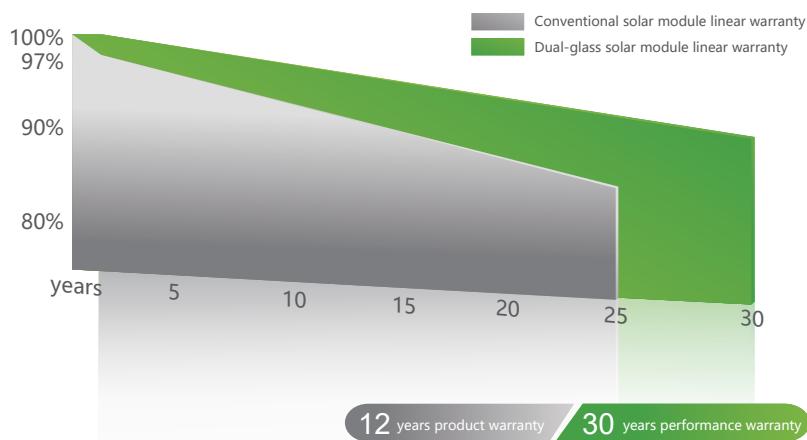
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 Class A fire protection lead to better flame resistance, ideal for rooftop system

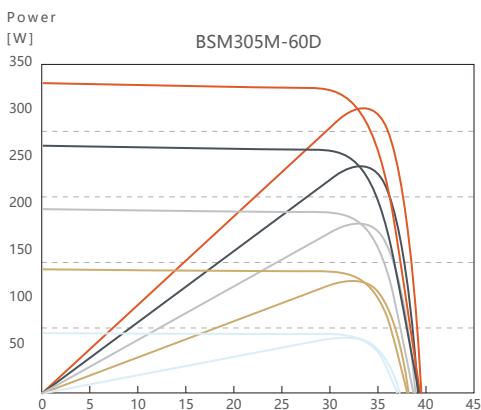
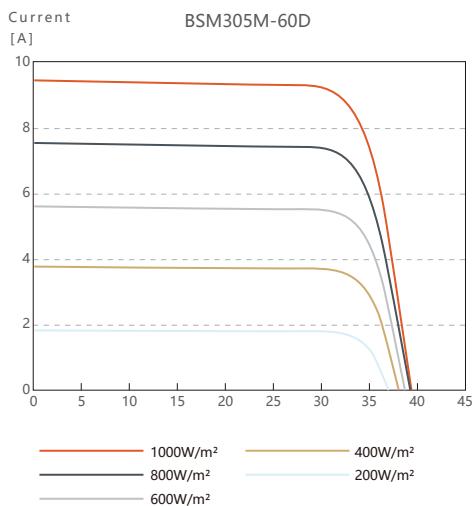


Dual-glass solar module linear warranty

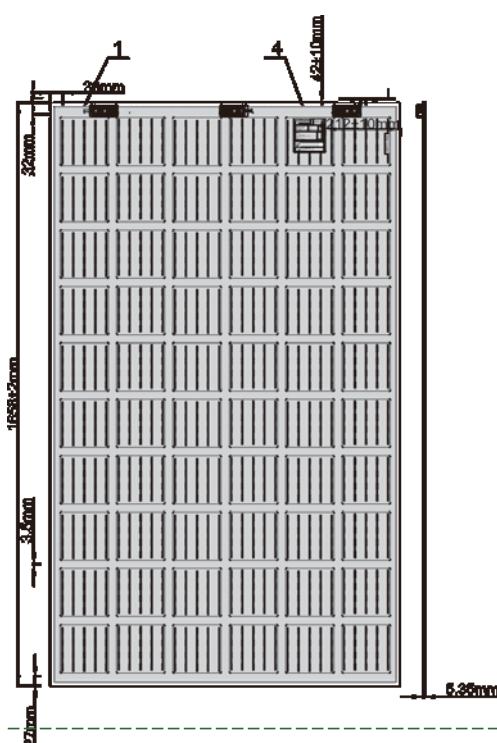




I-V & P-V Curve



DIMENSION(mm)



ELECTRICAL SPECIFICATION (STC)

Module	BSM295M-60D	BSM300M-60D	BSM305M-60D	BSM310M-60D
Rated Power (Pmpp) (W)	295	300	305	310
Power Output Tolerance (W)		0~+5		
Rated Current (Impp) (A)	9.04	9.13	9.18	9.26
Rated Voltage (Vmpp) (V)	32.64	32.89	33.23	33.48
Short Circuit Current (Isc) (A)	9.64	9.68	9.73	9.75
Open Circuit Voltage (Voc) (V)	39.48	39.58	39.67	39.83
Efficiency(%)	17.9	18.2	18.5	18.8
Operational Temperature	-40~+85°C			
Maximum Static Load		5400Pa		
Maximum Wind Load		2400Pa		
Maximum System Voltage		IEC:1000/1500V		
Maximum Series Fuse Rating		20A		

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

MECHANICAL SPECIFICATION

Cell Type	Perc Mono-crystalline
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1658mm × 992mm × 5mm (J-box not included)
Weight	19.6kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
Connector	MC4 / MC4 equivalent

TEMPERATURE COEFFICIENT

NOCT (Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Isc	+0.0484%/°C
Temperature Coefficient of Voc (β)	-0.2883%/°C
Temperature Coefficient of Pmpp (γ)	-0.3797%/°C

PACKAGING CONFIGURATION

Modules per box	38 pieces
Modules per 40' container	988 pieces



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335-355W

2mm+2mm
Thickness

18.3%
Max efficiency

30 years
Warranty

 Assemble with thinner and lighter glass in only 2mm

 Great heat dissipation by replacing backsheet with glass to increase power generation

 PID free by frameless design

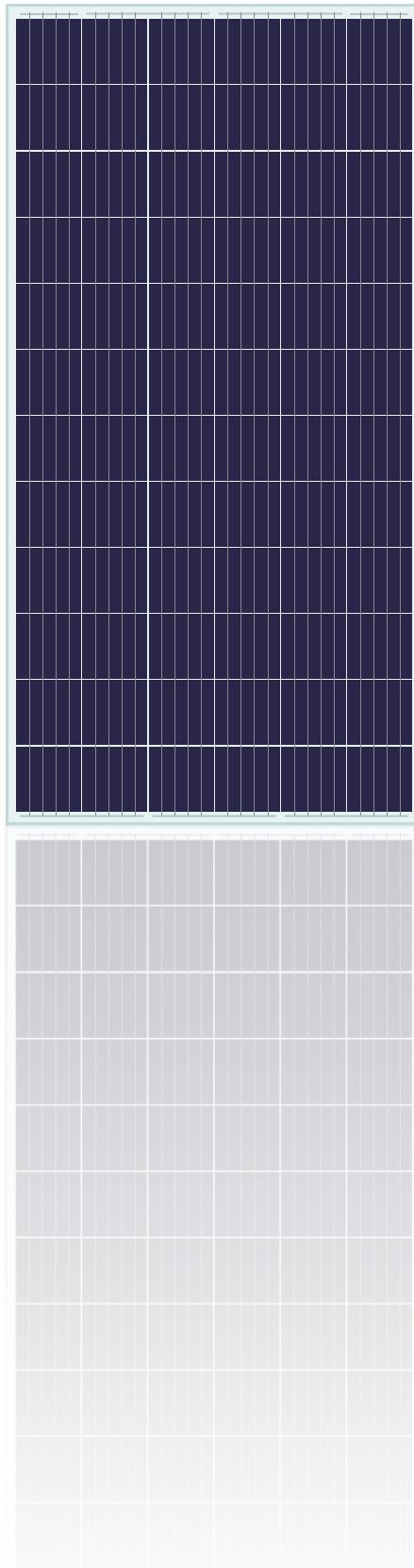
 Fully symmetrical structure to prevent micro crack

 Encapsulate with POE, lower water permeability, to avoid delamination

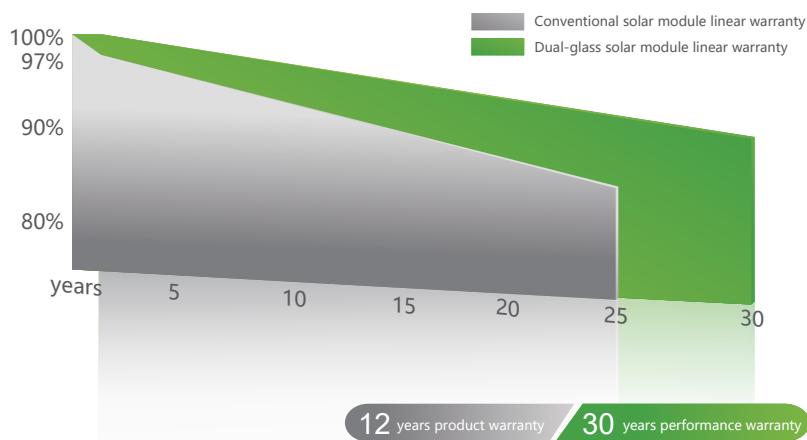
 No snail trail

 Highly anti-corrosion, such as ammonia or saline

 30-year linear performance warranty ensure higher ROI of the power plant

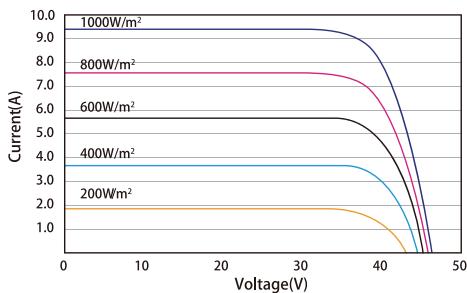


Dual-glass solar module linear warranty

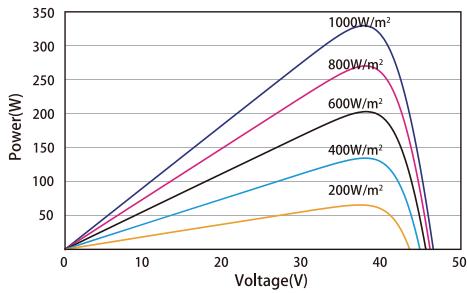




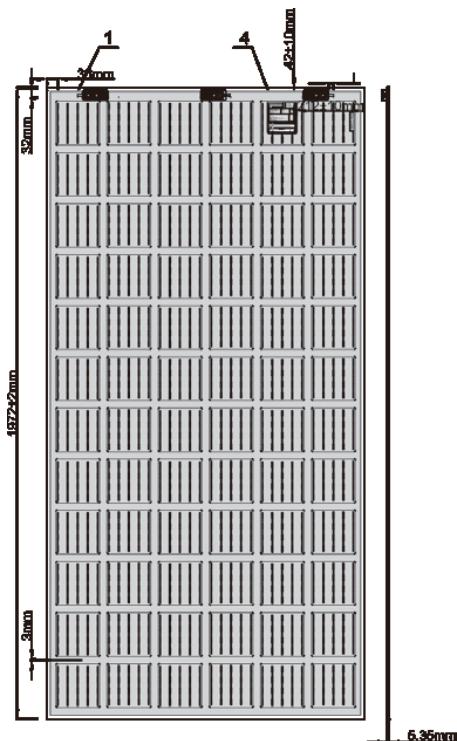
I-V CURVES OF PV MODULE(335W)



P-V CURVES OF PV MODULE(335W)



DIMENSION(mm)



ELECTRICAL SPECIFICATION (STC)

Module	BSM340P-72D	BSM345P-72D	BSM350P-72D	BSM355P-72D
Rated Power (Pmpp) (W)	340	345	350	355
Power Output Tolerance (W)		0~+5		
Rated Current (Impp) (A)	8.90	9.00	9.09	9.17
Rated Voltage (Vmpp) (V)	38.2	38.4	38.5	38.7
Short Circuit Current (Isc) (A)	9.45	9.50	9.60	9.69
Open Circuit Voltage (Voc) (V)	46.5	46.7	46.8	47.0
Efficiency(%)	17.5	17.8	18.0	18.3
Operational Temperature		-40~+85°C		
Maximum Static Load		5400Pa		
Maximum Wind Load		2400Pa		
Maximum System Voltage		IEC:1000/1500V		
Maximum Series Fuse Rating		20A		

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

MECHANICAL SPECIFICATION

Cell Type	Poly-crystalline
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1972mm × 992mm × 5mm (J-box not included)
Weight	23.3kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
Connector	MC4 / MC4 equivalent

TEMPERATURE COEFFICIENT

NOCT (Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Isc	+0.0484%/°C
Temperature Coefficient of Voc (β)	-0.2883%/°C
Temperature Coefficient of Pmpp (γ)	-0.3797%/°C

PACKAGING CONFIGURATION

Modules per box	38 pieces
Modules per 40' container	836 pieces



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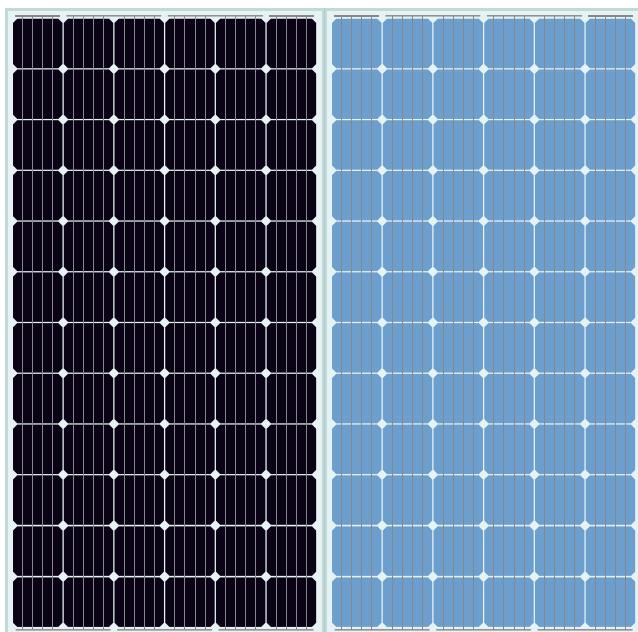
355-370W

Bifacial
Solar cell

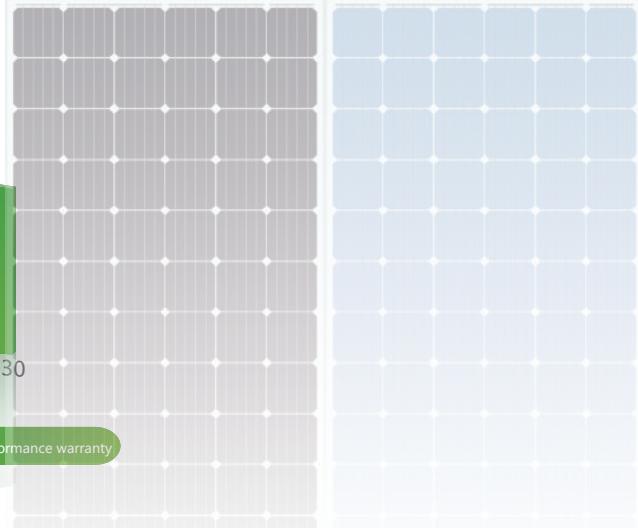
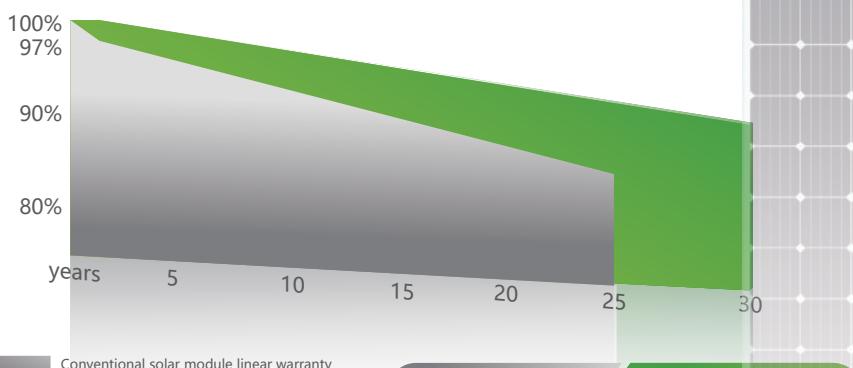
18.9%
Max efficiency

30 years
Warranty

2 mm+2 mm
Thickness



Dual-glass solar module linear warranty



Power generated on both sides, up to 30% yield increasing



Assemble with thinner and lighter glass in only 2mm



Great heat dissipation by replacing backsheet with glass to increase power generation



PID free by frameless design



Fully symmetrical structure to prevent micro crack



Encapsulate with POE, lower water permeability, to avoid delamination



No snail trail



Highly anti-corrosion, such as ammonia or saline

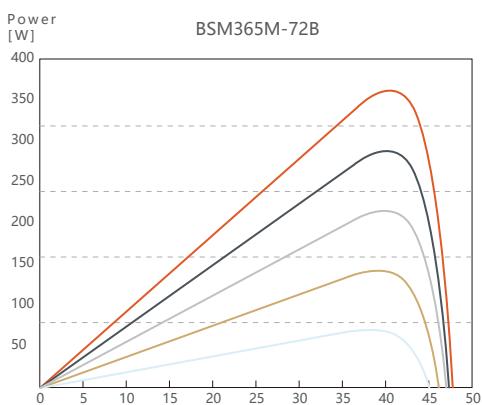
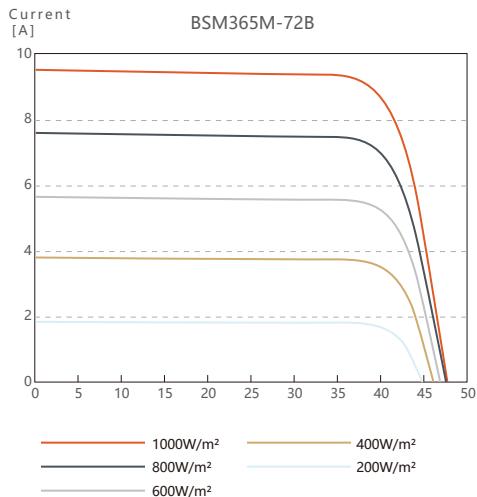


30-year linear performance warranty ensure higher ROI of the power plant

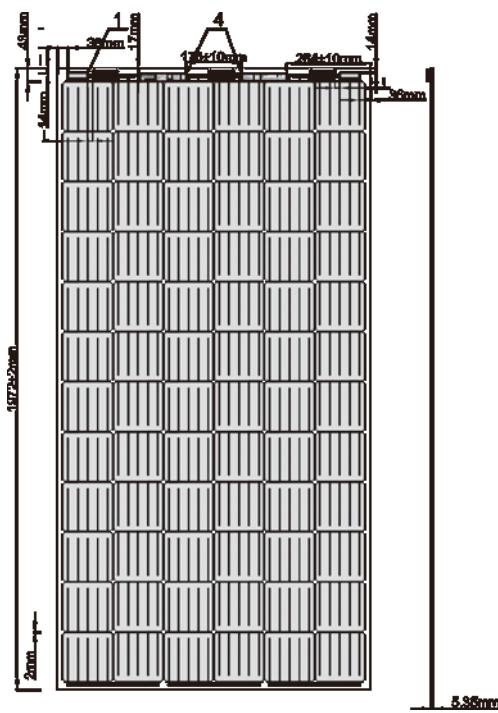




I-V & P-V Curve



DIMENSION(mm)



ELECTRICAL SPECIFICATION (STC)

Module	BSM355M-72B	BSM360M-72B	BSM365M-72B	BSM370M-72B
Rated Power (Pmpp) (W)	355	360	365	370
Power Output Tolerance (W)		0~+5		
Rated Current (Impp) (A)	9.09	9.18	9.22	9.32
Rated Voltage (Vmpp) (V)	39.06	39.22	39.59	39.74
Short Circuit Current (Isc) (A)	9.63	9.68	9.72	9.79
Open Circuit Voltage (Voc) (V)	47.63	47.72	47.88	47.99
Efficiency(%)	18.1	18.4	18.7	18.9
Operational Temperature		-40~+85°C		
Maximum Static Load		5400Pa		
Maximum Wind Load		2400Pa		
Maximum System Voltage		IEC:1000/1500V		
Maximum Series Fuse Rating		20A		

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

MECHANICAL SPECIFICATION

Cell Type	bifacial cells
Cell Orientation	156.75mm x 156.75mm
Module Dimensions	1972mm x 992mm x 5mm (J-box not included)
Weight	23.3kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
Connector	MC4 / MC4 equivalent

TEMPERATURE COEFFICIENT

NOCT (Nominal Operating Cell Temperature)	$45 \pm 2^{\circ}\text{C}$
Temperature Coefficient of Isc	+0.0484%/°C
Temperature Coefficient of Voc (β)	-0.2883%/°C
Temperature Coefficient of Pmpp (γ)	-0.3797%/°C

PACKAGING CONFIGURATION

Modules per box	38 pieces
Modules per 40' container	836 pieces



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355-370W

2mm+2mm
Thickness

18.9%
Max efficiency

30 years
Warranty



Assemble with thinner and lighter glass in only 2mm



Great heat dissipation by replacing backsheet with glass to increase power generation



PID free by frameless design



Fully symmetrical structure to prevent micro crack



Encapsulate with POE, lower water permeability, to avoid delamination



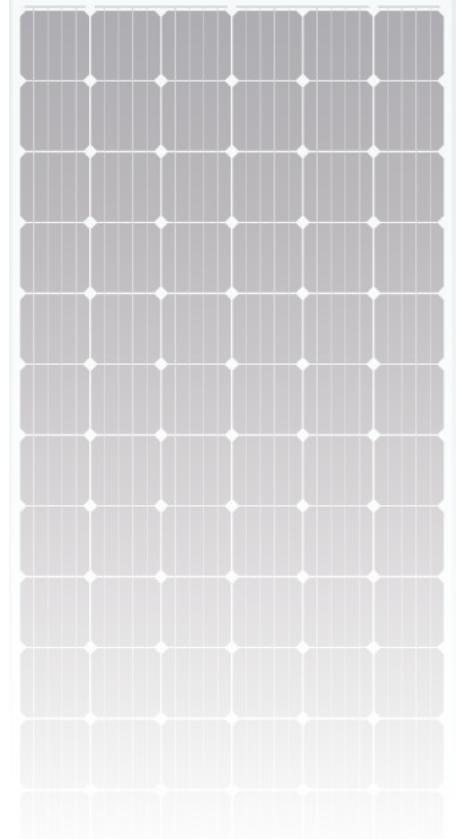
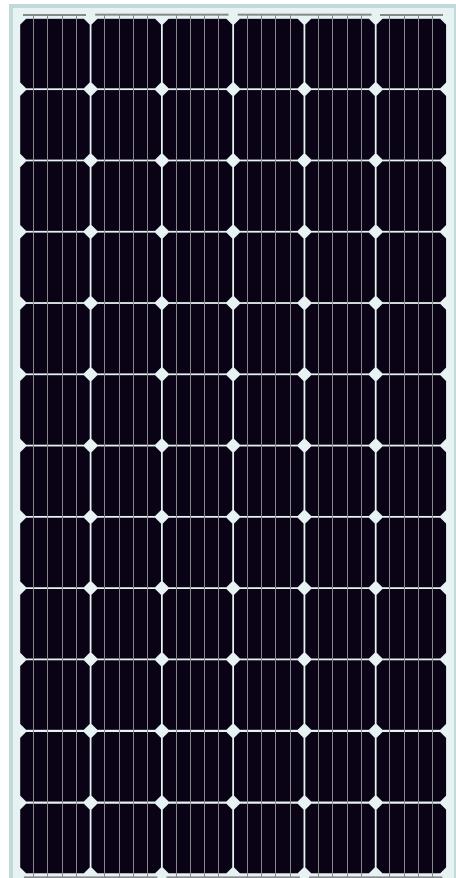
No snail trail



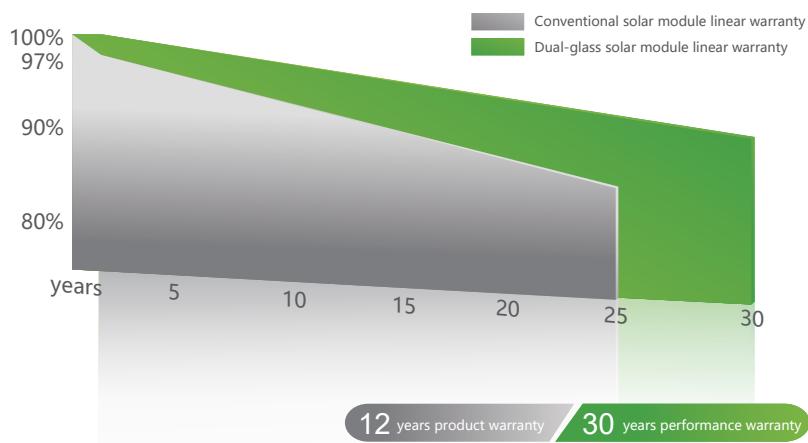
Highly anti-corrosion, such as ammonia or saline



30-year linear performance warranty ensure higher ROI of the power plant

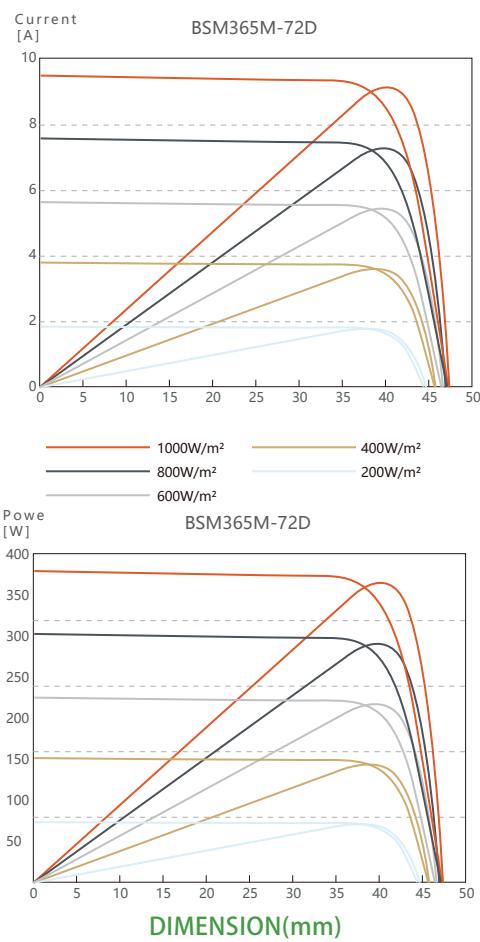


Dual-glass solar module linear warranty





I-V & P-V Curve



ELECTRICAL SPECIFICATION (STC)

Module	BSM355M-72D	BSM360M-72D	BSM365M-72D	BSM370M-72D
Rated Power (Pmpp) (W)	355	360	365	370
Power Output Tolerance (W)			0~+5	
Rated Current (Impp) (A)	9.08	9.12	9.18	9.25
Rated Voltage (Vmpp) (V)	39.10	39.48	39.76	39.99
Short Circuit Current (Isc) (A)	9.66	9.69	9.72	9.76
Open Circuit Voltage (Voc) (V)	47.39	47.50	47.72	47.96
Efficiency(%)	18.1	18.4	18.7	18.9
Operational Temperature			-40~+85°C	
Maximum Static Load			5400Pa	
Maximum Wind Load			2400Pa	
Maximum System Voltage			IEC:1000/1500V	
Maximum Series Fuse Rating			20A	

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

MECHANICAL SPECIFICATION

Cell Type	Perc Mono-crystalline
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1972mm × 992mm × 5mm (J-box not included)
Weight	23.3kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
Connector	MC4 / MC4 equivalent

TEMPERATURE COEFFICIENT

NOCT (Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Isc	+0.0484%/°C
Temperature Coefficient of Voc (β)	-0.2883%/°C
Temperature Coefficient of Pmpp (γ)	-0.3797%/°C

PACKAGING CONFIGURATION

Modules per box	38 pieces
Modules per 40' container	836 pieces



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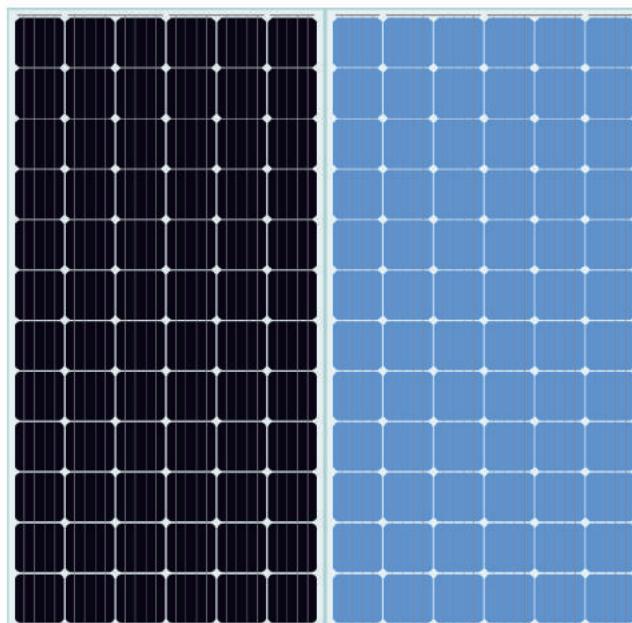
380-410W

Bifacial
Solar cell

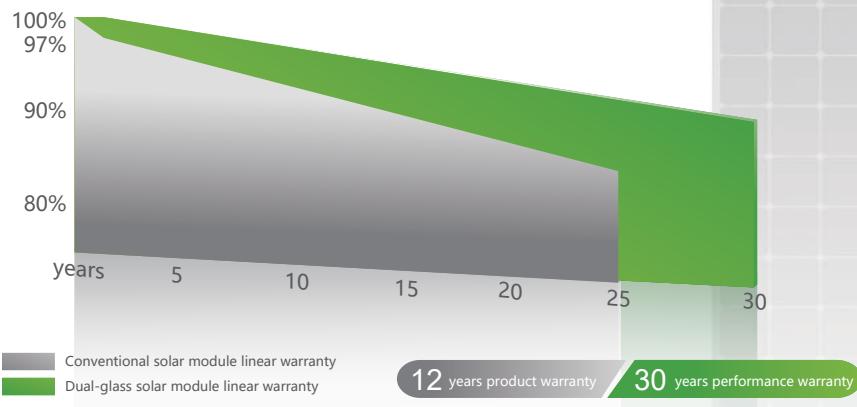
20.68%
Max efficiency

30 years
Warranty

2 mm+2 mm
Thickness



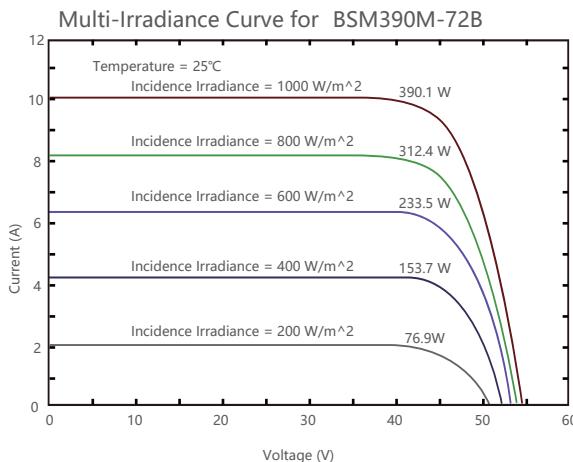
Dual-glass solar module linear warranty



-  Power generated on both sides, up to 30% yield increasing
-  Assemble with thinner and lighter glass in only 2mm
-  Great heat dissipation by replacing backsheet with glass to increase power generation
-  PID free by frameless design
-  Fully symmetrical structure to prevent micro crack
-  Encapsulate with POE, lower water permeability, to avoid delamination
-  No snail trail
-  Highly anti-corrosion, such as ammonia or saline
-  30-year linear performance warranty ensure higher ROI of the power plant



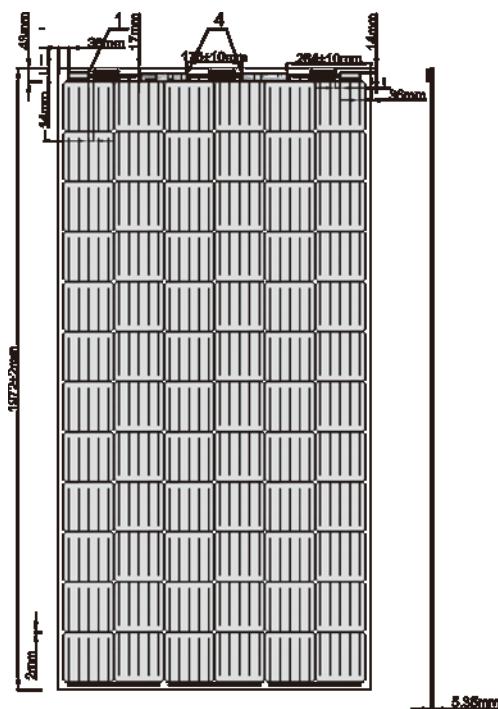
I_{max} - V_{max}



ELECTRICAL SPECIFICATION (STC)				
Module	BSM380M-72B	BSM390M-72B	BSM400M-72B	BSM410M-72B
Rated Power (Pmpp) (W)	380	390	400	410
Power Output Tolerance (W)	0~+5			
Rated Current (Impp) (A)	9.52	9.72	9.92	10.12
Rated Voltage (Vmpp) (V)	39.92	40.13	40.33	40.53
Short Circuit Current (Isc) (A)	9.83	9.94	9.99	10.04
Open Circuit Voltage (Voc) (V)	48.61	48.88	49.08	49.27
Efficiency(%)	19.4	19.92	20.43	20.68
Operational Temperature	-40~+85°C			
Maximum Static Load	5400Pa			
Maximum Wind Load	2400Pa			
Maximum System Voltage	IEC:1000/1500V			
Maximum Series Fuse Rating	20A			

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

DIMENSION(mm)



MECHANICAL SPECIFICATION

Cell Type	bifacial cells
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1972mm × 992mm × 5mm (J-box not included)
Weight	23.3kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
Connector	MC4 / MC4 equivalent

TEMPERATURE COEFFICIENT

NOCT (Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Isc	+0.0484%/°C
Temperature Coefficient of Voc (β)	-0.2883%/°C
Temperature Coefficient of Pmpp (γ)	-0.3797%/°C

PACKAGING CONFIGURATION

Modules per box	38 pieces
Modules per 40' container	836 pieces



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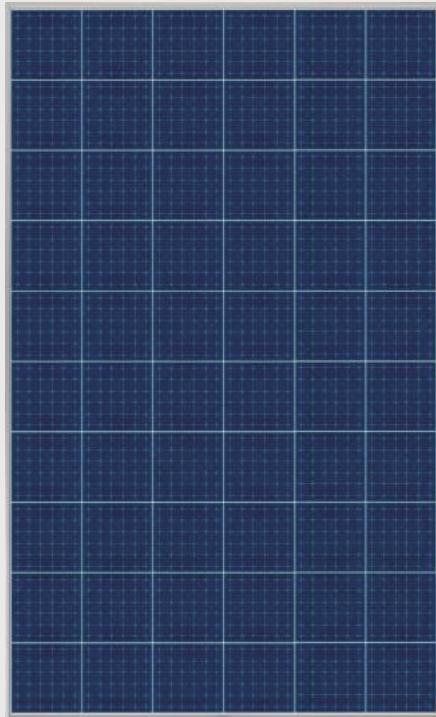
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what we offer

YOUR BEST PV SUPPLIER

BSM320P-60M **Polycrystalline 60 cells 290w-320w**

1 Solar Cell

- New cell structure and different manufacturing process
- No bus-bar on the front 3% less shadow and better use of sunlight
- Effectively avoid the micro crack caused by the pressure between cell edge and ribbon
- Compatible with other cell types including PERC,HIT,Black Silicon etc.

2 Superior Warranty

- 12 years product warranty
- 30 years performance warranty



3 Key features

- 3%** 3% less shading area on the cell
- 7%** Improve module efficiency by 7%, higher yield on the same superficial area
- Sun icon** More energy output in hot weather
- Shield icon** Certified for ammonia resistance and salt-mist corrosion to the maximum severity level 6
- PID icon** Certified for Anti-PID under 85°C / 85%RH for 288 hours
- Bar chart icon** Low degradation, 80% of the Initial effective output at the 30th year



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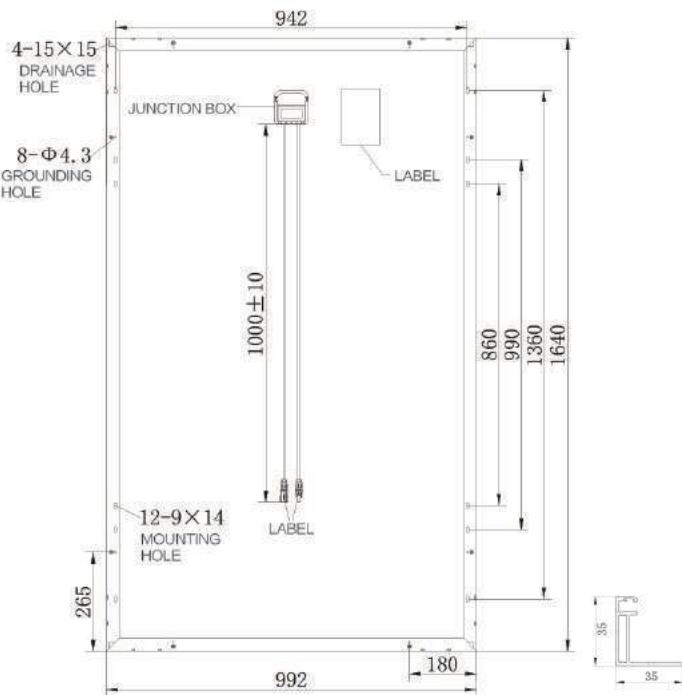




Mechanical Property

Dimension (L*W*H)	1640mm*992mm*35mm
Weight	18.5kg
Glass Type	3.2mm
Solar Cell	60(10*6)/Poly/6 Inches
Encapsulant	EVA
Frame	Anodized Aluminum Alloy
Junction Box	IP65&IP67
Cable	1000mm/4mm ²
Connector	MC4 Compatible

Module Size



Operating Conditions

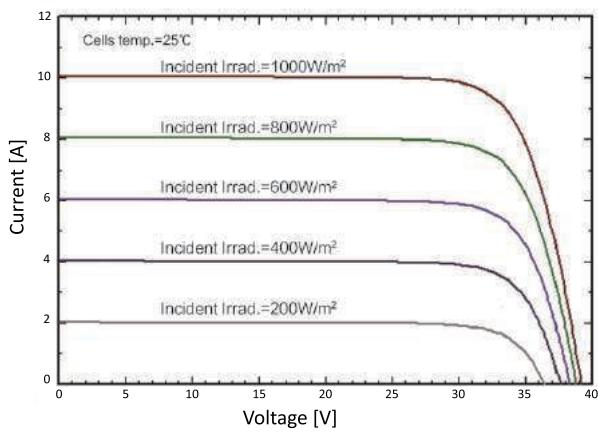
Max System Voltage	DC1000V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C ~+85°C
Mechanical Load	5400Pa/2400Pa
Max Allowable Hail Load	φ25mm hail, from 1m of distance at 23m/s
Application Class	Class A

Electrical Characteristics at Standard Test Conditions (STC)

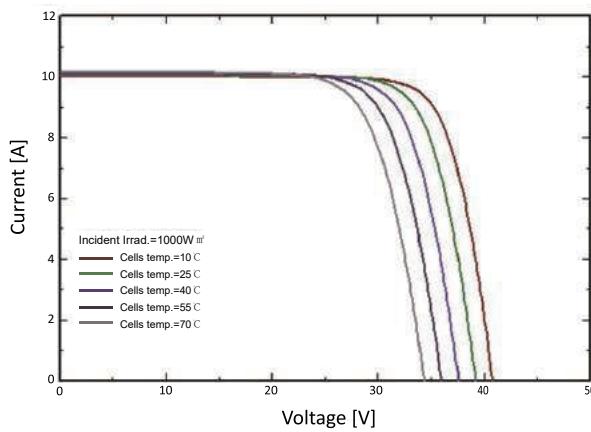
Model	BSM290P-60M	BSM295P-60M	BSM300P-60M	BSM305P-60M	BSM310P-60M	BSM315P-60M	BSM320P-60M
Max power (Pm) (W)	290	295	300	305	310	315	320
Power Tolerance (%)				0~+3			
Max-Power Voltage (Vm) (V)	31.2	31.4	31.6	31.8	32.0	32.2	32.4
Max-Power Current (Im) (A)	9.30	9.40	9.50	9.60	9.69	9.79	9.88
Open-Circuit Voltage(Voc) (V)	38.6	38.8	39.0	39.2	39.4	39.6	39.8
Short-Circuit Current(Vsc) (A)	9.82	9.90	9.98	10.06	10.14	10.22	10.30
Module Efficiency (%)	17.8	18.1	18.4	18.7	19.1	19.4	19.7

I-V Curve

I-V Curve at different irradiation (BSM305P-60M)



I-V Curve at different temperature (BSM305P-60M)



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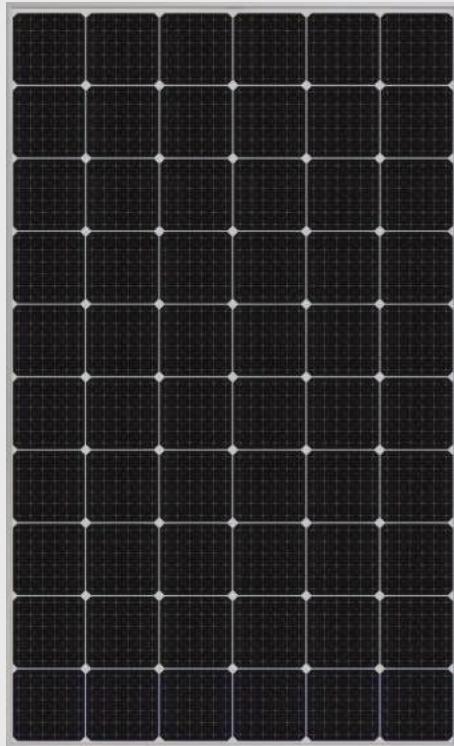
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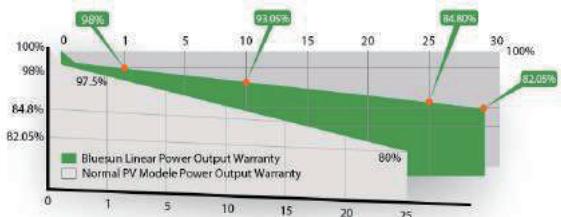
BSM335M-60M **Monocrystalline 60 cells 305w-335w**

1 Solar Cell

- New cell structure and different manufacturing process
- No bus-bar on the front 3% less shadow and better use of sunlight
- Effectively avoid the micro crack caused by the pressure between cell edge and ribbon
- Compatible with other cell types including PERC,HIT,Black Silicon etc.

2 Superior Warranty

- 12 years product warranty
- 30 years performance warranty



3 Key features

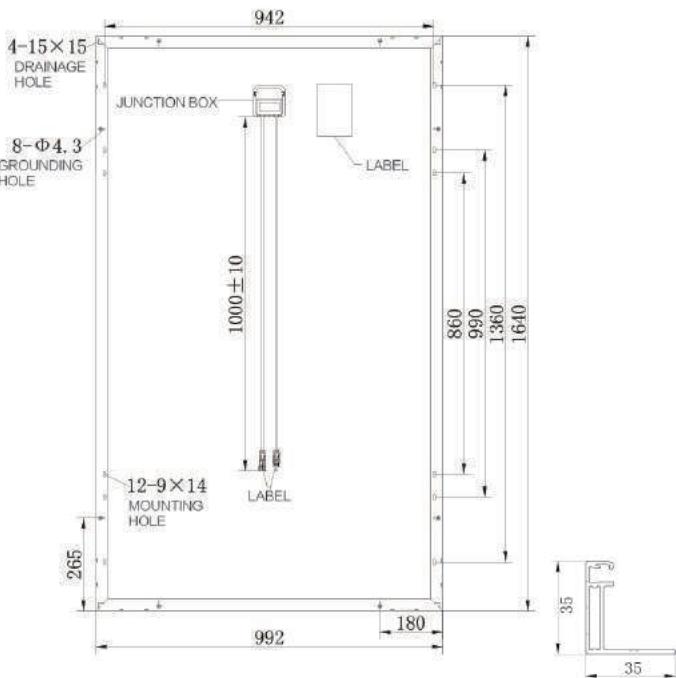
- 3%** 3% less shading area on the cell
- 7%** Improve module efficiency by 7%, higher yield on the same superficial area
- Solar** More energy output in hot weather
- 6** Certified for ammonia resistance and salt-mist corrosion to the maximum severity level 6
- PID** Certified for Anti-PID under 85°C / 85%RH for 288 hours
- Graph** Low degradation, 80% of the Initial effective output at the 30th year



Mechanical Property

Dimension (L*W*H)	1640mm*992mm*35mm
Weight	18.5kg
Glass Type	3.2mm
Solar Cell	60(10*6)/Poly/6 Inches
Encapsulant	EVA
Frame	Anodized Aluminum Alloy
Junction Box	IP65&IP67
Cable	1000mm/4mm2
Connector	MC4 Compatible

Module Size



Operating Conditions

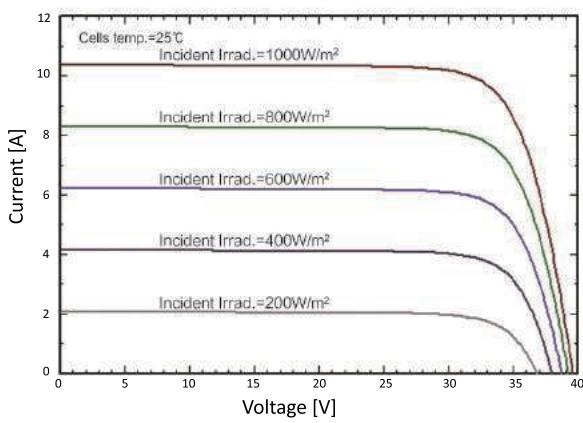
Max System Voltage	DC1000V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C ~+85°C
Mechanical Load	5400Pa/2400Pa
Max Allowable Hail Load	φ25mm hail, from 1m of distance at 23m/s
Application Class	Class A

Electrical Characteristics at Standard Test Conditions (STC)

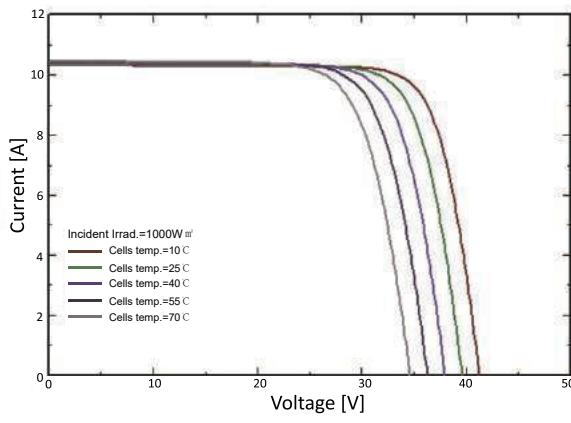
Model	BSM305M-60M	BSM310M-60M	BSM315M-60M	BSM320M-60M	BSM325M-60M	BSM330M-60M	BSM335M-60M
Max power (Pm) (W)	305	310	315	320	325	330	335
Power Tolerance (%)				0~+3			
Max-Power Voltage (Vm) (V)	31.8	32.0	32.2	32.4	32.6	32.8	33.0
Max-Power Current (Im) (A)	9.60	9.69	9.79	9.88	9.97	10.07	10.16
Open-Circuit Voltage(Voc) (V)	39.0	39.2	39.4	39.6	39.8	40.0	40.2
Short-Circuit Current(Voc) (A)	10.12	10.20	10.28	10.36	10.44	10.52	10.62
Module Efficiency (%)	18.7	19.1	19.4	19.7	20.0	20.3	20.6

I-V Curve

I-V Curve at different irradiation (BSM320M-60M)



I-V Curve at different temperature (BSM320M-60M)



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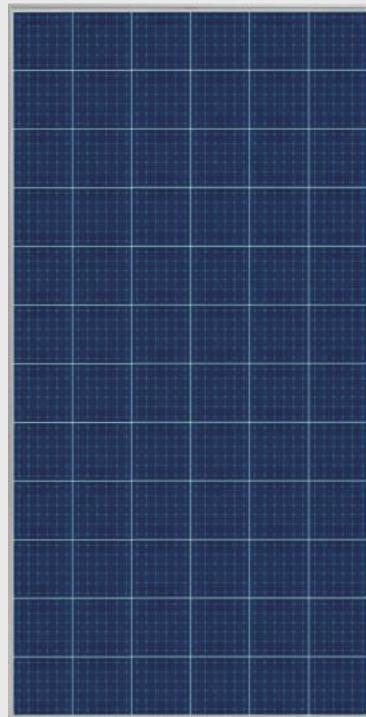
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what we offer

YOUR BEST PV SUPPLIER

BSM380P-72M **Polycrystalline 72 cells 350w-380w**

1 Solar Cell

- New cell structure and different manufacturing process
- No bus-bar on the front 3% less shadow and better use of sunlight
- Effectively avoid the micro crack caused by the pressure between cell edge and ribbon
- Compatible with other cell types including PERC,HIT,Black Silicon etc.

2 Superior Warranty

- 12 years product warranty
- 30 years performance warranty



3 Key features

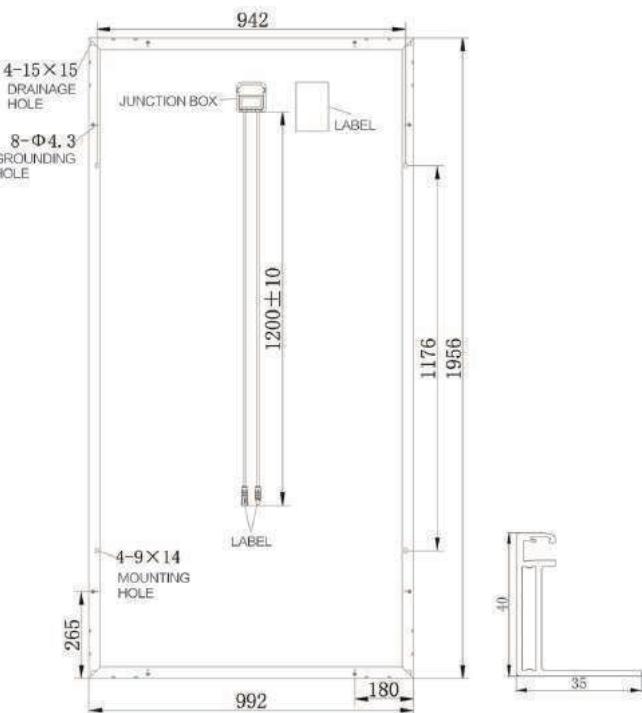
- 3%** 3% less shading area on the cell
- 7%** Improve module efficiency by 7%, higher yield on the same superficial area
- Sun icon** More energy output in hot weather
- Shield icon** Certified for ammonia resistance and salt-mist corrosion to the maximum severity level 6
- PID icon** Certified for Anti-PID under 85°C / 85%RH for 288 hours
- Bar chart icon** Low degradation, 80% of the Initial effective output at the 30th year



Mechanical Property

Dimension (L*W*H)	1956mm*992mm*40mm
Weight	22.5kg
Glass Type	3.2mm
Solar Cell	72(12*6)/Poly/6 Inches
Encapsulant	EVA
Frame	Anodized Aluminum Alloy
Junction Box	IP65&IP67
Cable	1200mm/4mm2
Connector	MC4 Compatible

Module Size



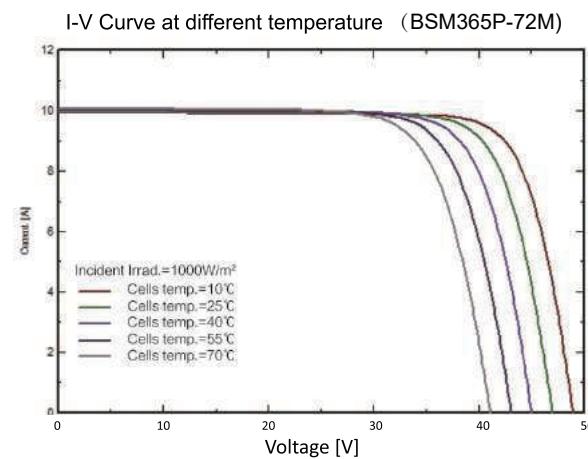
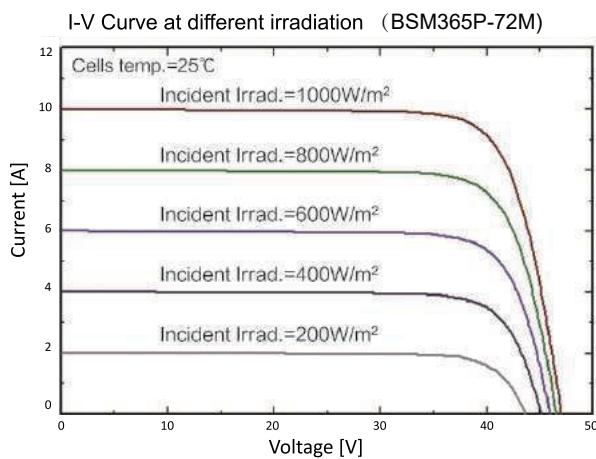
Operating Conditions

Max System Voltage	DC1000V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C ~ +85°C
Mechanical Load	5400Pa/2400Pa
Max Allowable Hail Load	φ25mm hail from 1m of distance at 23m/s
Application Class	Class A

Electrical Characteristics at Standard Test Conditions (STC)

Model	BSM350P-72M	BSM355P-72M	BSM360P-72M	BSM365P-72M	BSM370P-72M	BSM375P-72M	BSM380P-72M
Max power (Pm) (W)	350	355	360	365	370	375	380
Power Tolerance (%)				0~+3			
Max-Power Voltage (Vm) (V)	37.5	37.7	37.9	38.1	38.3	38.5	38.7
Max-Power Current (Im) (A)	9.34	9.42	9.50	9.59	9.67	9.75	9.83
Open-Circuit Voltage(Voc) (V)	46.4	46.6	46.8	47.0	47.2	47.4	47.6
Short-Circuit Current(Vsc) (A)	9.79	9.86	9.92	9.98	10.04	10.10	10.16
Module Efficiency (%)	18.1	18.3	18.6	18.8	19.1	19.3	19.6

I-V Curve



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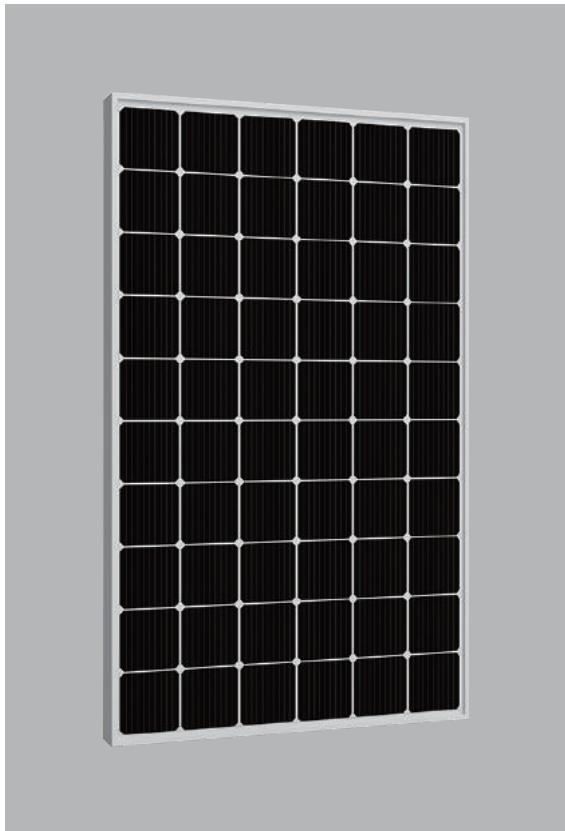
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BSM310M-60/12BB

12-busbar Mono PV module 300-310 Watt



Features :

Good Low-light performance

Excellent performance under low-light environments.

High efficiency

Dense busbars shorten the current conduction distances between bars and lower serial resistance; increases 7-8W power output.

Minimize Crack Effect

Collected more current, almost no power generation efficiency lose by internal cells cracked.

Improve reliability

Improve product reliability; minimize the probability of pressure and battery fragmentation caused by thermal stress.



High module efficiency up to 18.94%



25-year-linear warranty on outputs



Good weather resistance, Better anti-EL ability

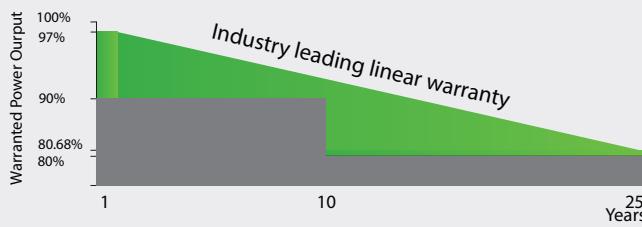


Lower carbon emissions, more environmental-friendly way of recycling

Warranty information

10 years workmanship warranty

25 years output warranty(monocrystalline):3.0% in the 1st year, thereafter 0.68% per year ending with 80.68% in the 25th year



Packaging information

Modules per box 30 pcs.(35 mm)

Modules per 40' HQ container 896 pcs.(35 mm)

Measurement Tolerance STC: $\pm 3\% (P_{max})$, $\pm 10\% (V_{max}, I_{max}, V_{oc}, I_{sc})$, Values at Standard Test Conditions STC(Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C) | Remark: please read safety and installation instructions before using the product | Subject to change without prior notice.



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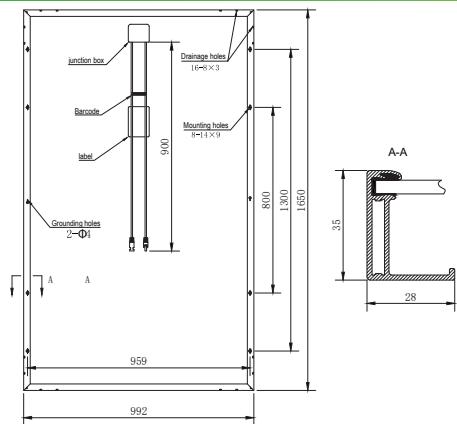
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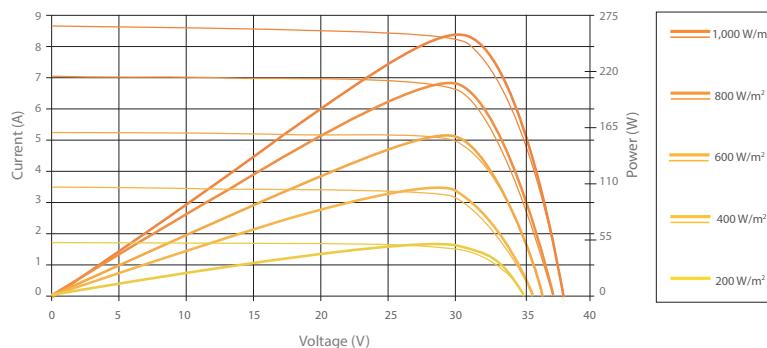


BSM300M-60/12BB

Dimension of the PV module



I-V Curves of the PV module



Electrical data

Model	BSM300M-60	BSM305M-60	BSM310M-60
Nominal Power Watt P_{max} (W _p)	300	305	310
Power Output Tolerance P_{max} (%)	0~+3	0~+3	0~+3
Maximum Power Voltage V_{mp} (V)	31.64	31.72	31.83
Maximum Power Current I_{mp} (A)	9.49	9.62	9.74
Open Circuit Voltage V_{oc} (V)	39.13	39.24	39.36
Short Circuit Current I_{sc} (A)	10.02	10.15	10.29
Module Efficiency η_m (%)	17.72	18.63	18.94

Mechanical data

Solar cells	Mono 156×156 / 156.75×156.75 mm
Cells orientation	60 (6×10)
Module dimension	1650×992×35 mm
Weight	19.5 kg
Glass	High transparency,low iron,tempered glass 3.2 mm (AR-coating)
Junction box	IP 67 , 3 diodes
Cables	4 mm ² ,900 mm
Connectors	MC4-compatible

Temperature ratings

Nominal Operating Cell Temperature	45°C ±2°C
Temperature coefficient of P_{max}	-0.40%/K
Temperature coefficient of V_{oc}	-0.29%/K
Temperature coefficient of I_{sc}	0.04%/K

Working conditions

Maximum system voltage	1000 / 1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	15 A
Maximum load (snow/wind)	5400 Pa / 2400 Pa





BSM360M-72/12BB

12-busbar Mono PV module 360-370 Watt



Features :

Good Low-light performance

Excellent performance under low-light environments.

High efficiency

Dense busbars shorten the current conduction distances between bars and lower serial resistance; increases 7-8W power output.

Minimize Crack Effect

Collected more current, almost no power generation efficiency lose by internal cells cracked.

Improve reliability

Improve product reliability; minimize the probability of pressure and battery fragmentation caused by thermal stress.



High module efficiency up to 19.33%



25-year-linear warranty on outputs



Good weather resistance, Better anti-EL ability

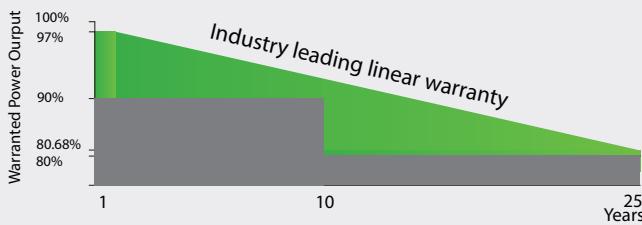


Lower carbon emissions, more environmental-friendly way of recycling

Warranty information

10 years workmanship warranty

25 years output warranty(monocrystalline):3.0% in the 1st year, thereafter 0.68% per year ending with 80.68% in the 25th year



Packaging information

Modules per box

26 pcs.(40 mm)

Modules per 40' HQ container

632 pcs.(40 mm)

Measurement Tolerance STC: $\pm 3\%$ (P_{max}), $\pm 10\%$ (V_{max} , I_{max} , V_{oc} , I_{sc}). Values at Standard Test Conditions STC(Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C) | Remark: please read safety and installation instructions before using the product | Subject to change without prior notice.



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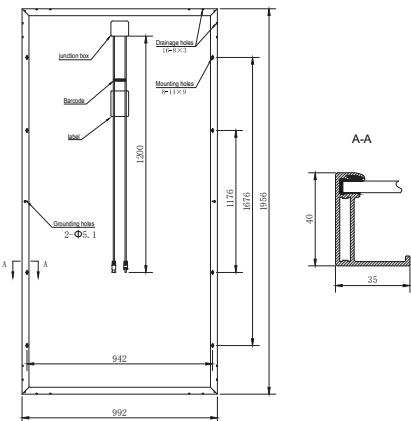
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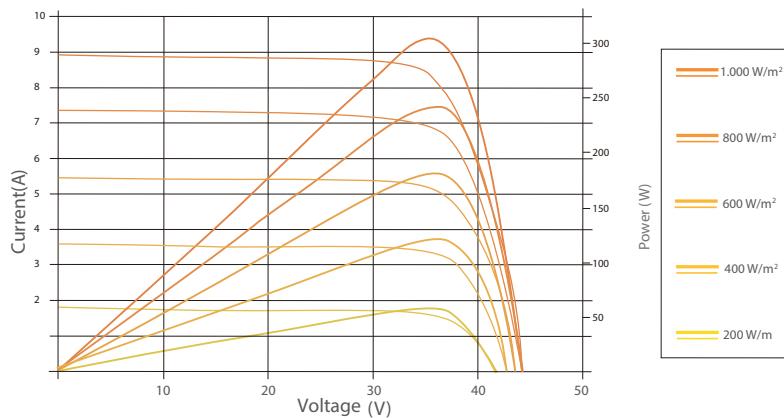


BSM360M-72/12BB

Dimension of the PV module



I-V Curves of the PV module



Electrical data

Model	BSM360M-72	BSM365M-72	BSM370M-72
Nominal Power Watt P_{\max} (W _p)	360	365	370
Power Output Tolerance P_{\max} (%)	0~+3	0~+3	0~+3
Maximum Power Voltage V_{mp} (V)	37.94	38.03	38.13
Maximum Power Current I_{mp} (A)	9.49	9.6	9.7
Open Circuit Voltage V_{oc} (V)	47.31	47.42	47.54
Short Circuit Current I_{sc} (A)	9.96	10.70	10.18
Module Efficiency η_m (%)	18.55	18.81	19.07

Mechanical data

Solar cells	Mono 156×156 / 156.75×156.75 mm
Cells orientation	72 (6×12)
Module dimension	1956×992×40 mm
Weight	22.5 kg
Glass	High transparency,low iron,tempered glass 3.2 mm (AR-coating)
Junction box	IP 67 , 3 diodes
Cables	4 mm ² ,1200 mm
Connectors	MC4-compatible

Temperature ratings

Nominal Operating Cell Temperature	45°C ±2°C
Temperature coefficient of P_{\max}	-0.40%/K
Temperature coefficient of V_{oc}	-0.29%/K
Temperature coefficient of I_{sc}	0.04%/K

Working conditions

Maximum system voltage	1000/1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	15 A
Maximum load (snow/wind)	5400 Pa / 2400 Pa



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BSM300P-60/12BB

12-busbar Poly PV module 295-305 Watt



Features :

Good Low-light performance

Excellent performance under low-light environments.

High efficiency

Dense busbars shorten the current conduction distances between bars and lower serial resistance; increases 7-8W power output.

Minimize Crack Effect

Collected more current, almost no power generation efficiency lose by internal cells cracked.

Improve reliability

Improve product reliability; minimize the probability of pressure and battery fragmentation caused by thermal stress.



High module efficiency up to 17.10%



25-year-linear warranty on outputs



Good weather resistance, Better anti-EL ability

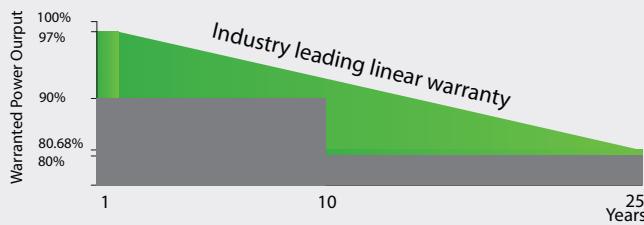


Lower carbon emissions, more environmental-friendly way of recycling

Warranty information

10 years workmanship warranty

25 years output warranty(polycrystalline):2.5% in the 1st year, thereafter 0.7% per year ending with 80.7% in the 25th year



Packaging information

Modules per box 30 pcs.(35 mm)

Modules per 40' HQ container 896 pcs.(35 mm)

Measurement Tolerance STC: $\pm 3\% (P_{max})$, $\pm 10\% (V_{max}, I_{max}, V_{oc}, I_{sc})$. Values at Standard Test Conditions STC(Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C) | Remark: please read safety and installation instructions before using the product | Subject to change without prior notice.



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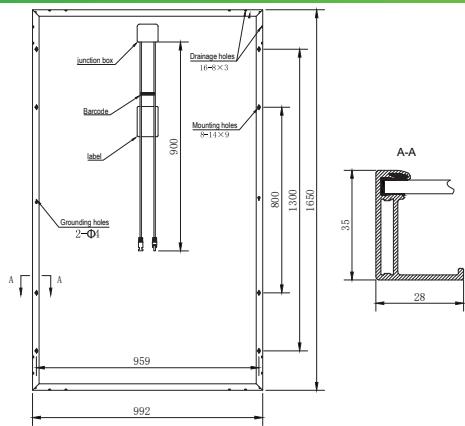
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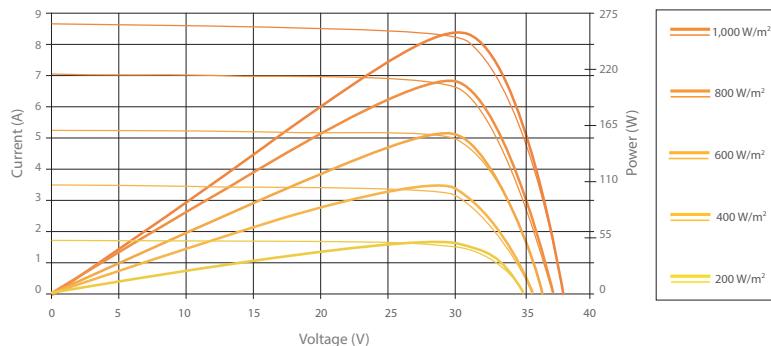


BSM270P-60/12BB

Dimension of the PV module



I-V Curves of the PV module



Electrical data

Model	BSM295P-60	BSM300P-60	BSM305P-60
Nominal Power Watt $P_{max}(W_p)$	295	300	310
Power Output Tolerance $P_{max}(\%)$	0~+3	0~+3	0~+3
Maximum Power Voltage $V_{mp}(V)$	31.45	31.64	31.83
Maximum Power Current $I_{mp}(A)$	9.23	9.49	9.74
Open Circuit Voltage $V_{oc}(V)$	39.04	39.13	39.36
Short Circuit Current $I_{sc}(A)$	9.78	10.02	10.29
Module Efficiency $\eta_m(%)$	16.50	17.72	18.94

Mechanical data

Solar cells	Poly 156.75×156.75 mm
Cells orientation	60 (6×10)
Module dimension	1650×992×35 mm
Weight	19.5 kg
Glass	High transparency,low iron,tempered glass 3.2mm (AR-coating)
Junction box	IP 67 , 3 diodes
Cables	4 mm² ,900 mm
Connectors	MC4-compatible

Temperature ratings

Nominal Operating Cell Temperature	45°C ±2°C
Temperature coefficient of P_{max}	-0.40%/K
Temperature coefficient of V_{oc}	-0.33%/K
Temperature coefficient of I_{sc}	0.06%/K

Working conditions

Maximum system voltage	1000 / 1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	15 A
Maximum load (snow/wind)	5400 Pa / 2400 Pa



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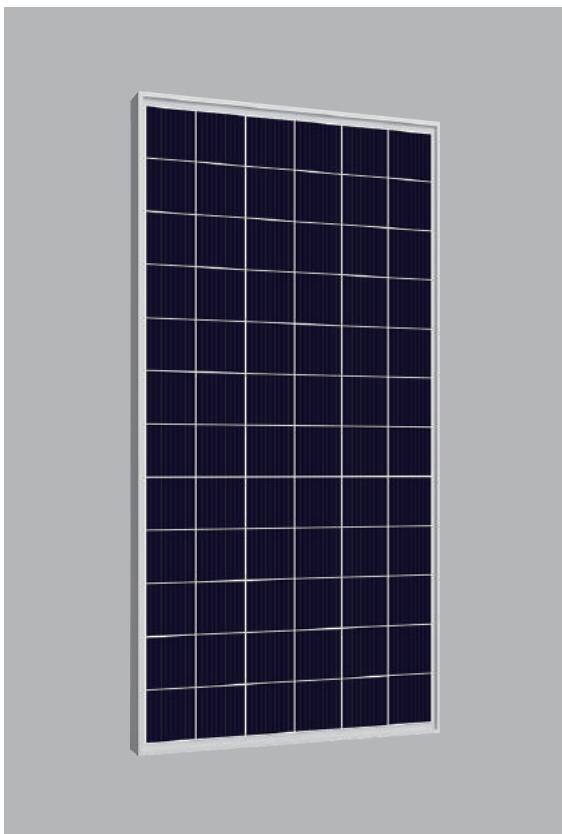
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BSM360P-72/12BB

12-busbar Poly PV module 350-360 Watt



Features :

Good Low-light performance

Excellent performance under low-light environments.

High efficiency

Dense busbars shorten the current conduction distances between bars and lower serial resistance; increases 7-8W power output.

Minimize Crack Effect

Collected more current, almost no power generation efficiency lose by internal cells cracked.

Improve reliability

Improve product reliability; minimize the probability of pressure and battery fragmentation caused by thermal stress.



High module efficiency up to 17.3%



25-year-linear warranty on outputs



Good weather resistance, Better anti-EL ability

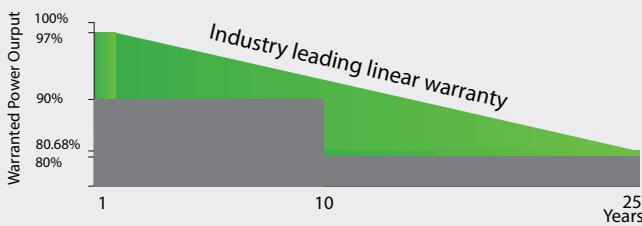


Lower carbon emissions, more environmental-friendly way of recycling

Warranty information

10 years workmanship warranty

25 years output warranty(polycrystalline):2.5% in the 1st year, thereafter 0.7% per year ending with 80.7% in the 25th year



Packaging information

Modules per box 23 pcs.(40mm)

Modules per 40' HQ container 550 pcs.(40mm)

Measurement Tolerance STC: $\pm 3\%$ (P_{max}), $\pm 10\%$ (V_{max} , I_{max} , V_{oc} , I_{sc}), Values at Standard Test Conditions STC(Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C) | Remark: please read safety and installation instructions before using the product | Subject to change without prior notice.



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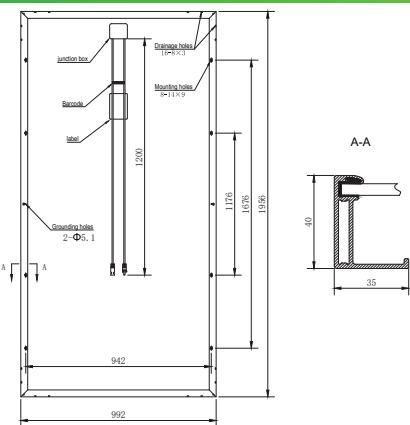
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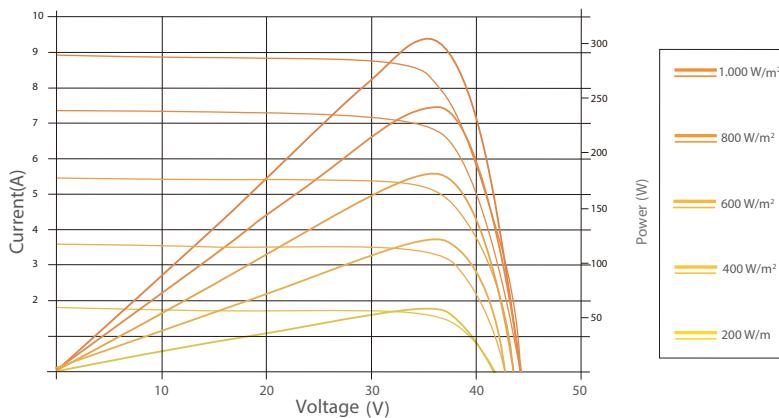


BSM360P-72/12BB

Dimension of the PV module



I-V Curves of the PV module



Electrical data

Model	BSM350P-72	BSM355P-72	BSM360P-72
Nominal Power Watt $P_{max}(W_p)$	350	355	360
Power Output Tolerance $P_{max}(\%)$	0~+3	0~+3	0~+3
Maximum Power Voltage $V_{mp}(V)$	38.5	38.7	38.9
Maximum Power Current $I_{mp}(A)$	9.09	9.17	9.25
Open Circuit Voltage $V_{oc}(V)$	46.9	47.0	47.2
Short Circuit Current $I_{sc}(A)$	9.60	9.69	9.87
Module Efficiency $\eta_m(%)$	18.0	18.3	18.6

Mechanical data

Solar cells	Poly 156×156 / 156.75×156.75 mm
Cells orientation	72 (6×12)
Module dimension	1956 ×992×40 mm
Weight	22.5 kg
Glass	High transparency,low iron,tempered glass 3.2mm (AR-coating)
Junction box	IP 67 , 3 diodes
Cables	4 mm² ,1200 mm
Connectors	MC4-compatible

Temperature ratings

Nominal Operating Cell Temperature	45°C ±2°C
Temperature coefficient of P_{max}	-0.40%/K
Temperature coefficient of V_{oc}	-0.33%/K
Temperature coefficient of I_{sc}	0.06%/K

Working conditions

Maximum system voltage	1000 / 1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	15 A
Maximum load (snow/wind)	5400 Pa / 2400 Pa



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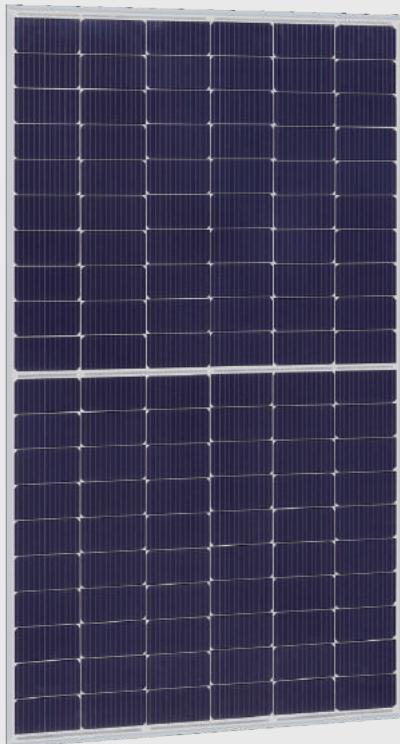
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what we offer

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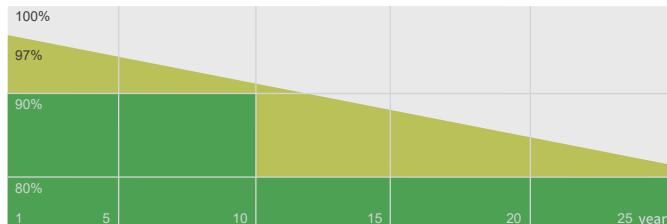
BSM320M-60HC/12BB Mono Half Cell Module 120Cells 310w-330w

1 Reliable Quality

- Positive power tolerance: 0-+5W
- 100% EL double-inspection ensures modules are free
- Modules binned by current to improve system performance
- Potential Induced Degradation(PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key Features

-  Mono Perc Half-cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production
-  Monocrystalline modules designed for commercial and solar farm grid-tied appliances
-  12BB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption
-  All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output
-  Entire module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)
-  High salt and ammonia resistance certified by TUV NORD



ELECTRICAL PARAMETERS AT STC

Model	BSM310M-60HC	BSM315M-60HC	BSM320M-60HC	BSM325M-60HC	BSM330M-60HC
Nominal Power	310W	315W	320W	325W	330W
Open-circuit Voltage(Voc)	40.2V	40.4V	40.6V	40.8V	41V
Short-Circuit Current(Isc)	10.12A	10.23A	10.34A	10.45A	10.56A
Maximum Power Voltage(Vmp)	33.3V	33.5V	33.7V	33.9V	34.1V
Maximum Circuit Current (Imp)	9.32A	9.42A	9.51A	9.6A	9.69A
Module Efficiency(%)	18.77%	19.07%	19.37%	19.68%	19.98%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1000V / 1500V DC(IEC)				
Maximum Series Fuse Rating	20A				
Operating Temperature	-40 °C to +85 °C				

*STC:Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

NOCT

Model	BSM310M-60HC	BSM315M-60HC	BSM320M-60HC	BSM325M-60HC	BSM330M-60HC
Maximum Power	230W	233W	237W	241W	244W
Open Circuit Voltage (Voc)	38V	38.2V	38.4V	38.6V	38.7V
Short Circuit Current (Isc)	8.17A	8.26A	8.35A	8.44A	8.53A
Maximum Power Voltage (Vmp)	31.5V	31.7V	31.8V	32V	32.2V
Maximum Circuit Current (Imp)	7.3A	7.35A	7.45A	7.53A	7.58A
NOCT	45°C±2°C				

*NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1 m/s

Mechanical Characteristics

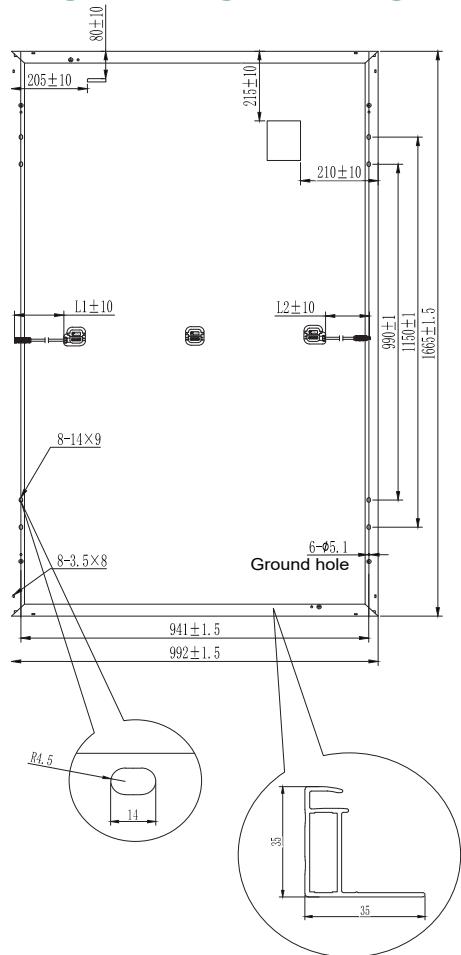
Solar Cells	Monocrystalline 156.75 × 78.375mm
No.of Cells	120 (6 × 20)
Dimensions	1665mm×992mm×35mm(66in×39in×1.4in)
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm ² (IEC)
Connectors	MC4 / MC4 Compatible
Packaging Configuration	30pcs / box, 840pcs / 40'HQ Container

*STC:Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

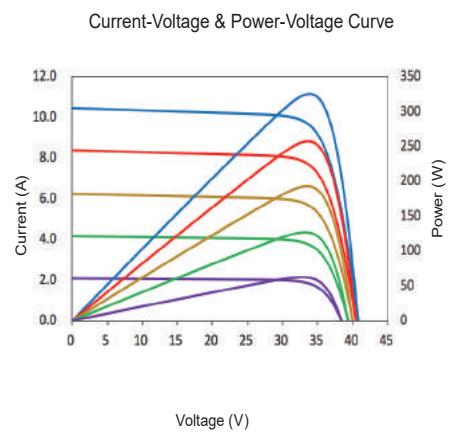
Temperature Characteristics

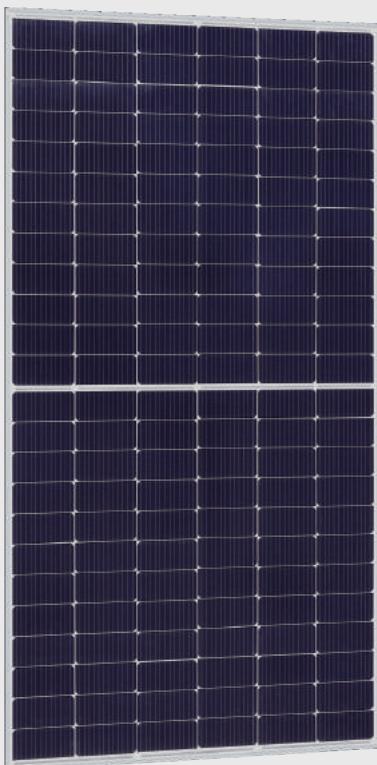
Temperature Coefficient of Pmax	γ (Pm)	-0.39%/K
Temperature Coefficient of Voc	β (Voc)	-0.29%/K
Temperature Coefficient of Isc	α (Isc)	0.049%/K

Engineering Drawing



I-V Curves





what we offer

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BSM385M-72HC/12BB Mono Half Cell Module 144Cells 375w-395w

1 Reliable Quality

- Positive power tolerance: 0-+5W
- 100% EL double-inspection ensures modules are free
- Modules binned by current to improve system performance
- Potential Induced Degradation(PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key Features

-  Mono Perc Half-cut cell technology can reduce the internal power loss and improve component overall power.Excellent heat dissipation avoids hot spot production
-  Monocrystalline modules designed for commercial and solar farm grid-tied appliances
-  12BB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption
-  All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output
-  Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa)
-  High salt and ammonia resistance certified by TUV NORD



ELECTRICAL PARAMETERS AT STC

Model	BSM375M-72HC	BSM380M-72HC	BSM385M-72HC	BSM390M-72HC	BSM395M-72HC
Maximum Power at STC(Pmax)	375W	380W	385W	390W	395W
Open-circuit Voltage(Voc)	48.4V	48.6V	48.8V	49V	49.2V
Short-Circuit Current(Isc)	10.17A	10.26A	10.35A	10.44A	10.53A
Optimum Operating Voltage (Vmp)	40.2V	40.4V	40.6V	40.8V	41V
Optimum Operating Current(Imp)	9.34A	9.42A	9.5A	9.57A	9.64A
Module Efficiency	19.02%	19.28%	19.53%	19.79%	20.04%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1000V / 1500V DC(IEC)				
Maximum Series Fuse Rating	20A				
Operating Temperature	-40 °C to +85°C				

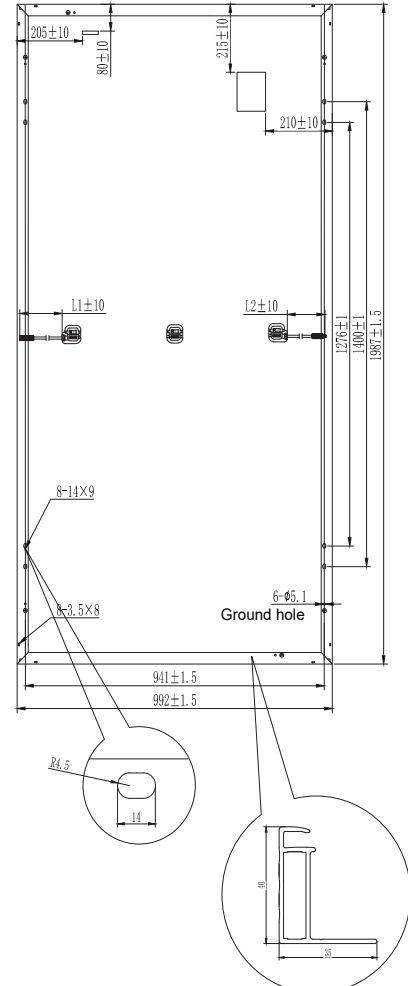
*STC:Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

NOCT

Model	BSM375M-72HC	BSM380M-72HC	BSM385M-72HC	BSM390M-72HC	BSM395M-72HC
Maximum Power	278W	281W	285W	289W	293W
Open Circuit Voltage (Voc)	45.7V	45.9V	46.1V	46.3V	46.5V
Short Circuit Current (Isc)	8.21A	8.28A	8.36A	8.43A	8.5A
Maximum Power Voltage (Vmp)	38V	38.2V	38.4V	38.6V	38.7V
Maximum Circuit Current (Imp)	7.32A	7.36A	7.42A	7.49A	7.57A
NOCT	45°C±2°C				

*NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1 m/s

Engineering Drawing

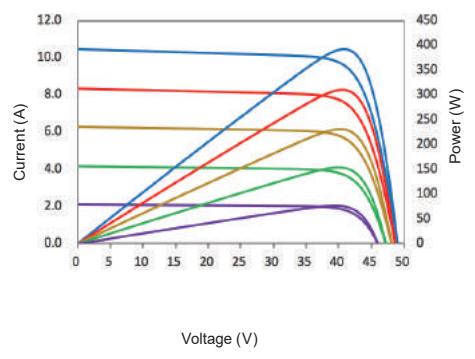


Mechanical Characteristics

Solar Cells	Monocrystalline 156.75 × 78.375mm
No.of Cells	144(6×24)
Dimensions	1987mm×992mm×40mm
Weight	23.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm ² (IEC)
Connectors	MC4 / MC4 Compatible
Packaging Configuration	26pcs / box, 572pcs / 40'HQ Container

I-V Curves

Current-Voltage & Power-Voltage Curve



Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.39%/K
Temperature Coefficient of Voc	β (Voc)	-0.29%/K
Temperature Coefficient of Isc	α (Isc)	0.049%/K





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