

# CUSTOMIZED MONO SOLAR PANELS

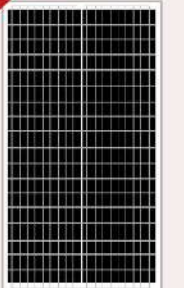
## 30-160W

**30W**



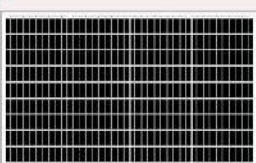
Power(W)	30W
Module Tyte	SS30M—36
Number of Cells	36 (2*18)
Dimensions (MM)	550*350*25
Weight (KG)	2.1
Vmp (V)	18.5
Imp (A)	1.62
Voc (V)	22.8
Isc (A)	1.73

**40W**



Power(W)	40W
Module Tyte	SS40M—36
Number of Cells	36 (2*18)
Dimensions (MM)	640*350*25
Weight (KG)	2.4
Vmp (V)	18.5
Imp (A)	2.16
Voc (V)	22.8
Isc (A)	2.31

**50W**



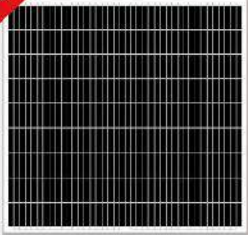
Power(W)	50W
Module Tyte	SS50M—36
Number of Cells	36 (4*9)
Dimensions (MM)	410*670*25
Weight (KG)	3
Vmp (V)	18.6
Imp (A)	2.69
Voc (V)	22.9
Isc (A)	2.87

**65W**



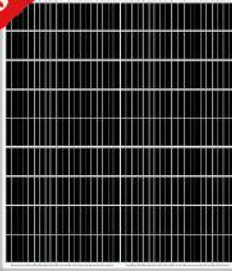
Power(W)	65W
Module Tyte	SS65M—36
Number of Cells	36 (4*9)
Dimensions (MM)	535*670*25
Weight (KG)	4
Vmp (V)	18.7
Imp (A)	3.48
Voc (V)	22.9
Isc (A)	3.73

**80W**



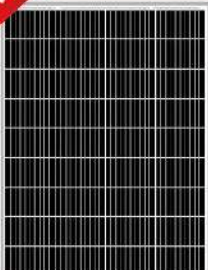
Power(W)	80W
Module Tyte	SS80M—36
Number of Cells	36 (4*9)
Dimensions (MM)	650*670*25
Weight (KG)	4.8
Vmp (V)	18.8
Imp (A)	4.26
Voc (V)	22.9
Isc (A)	4.60

**100W**



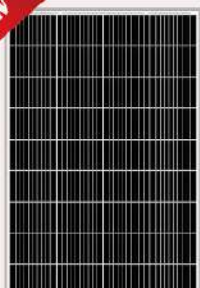
Power(W)	100W
Module Tyte	SS100M—36
Number of Cells	36 (4*9)
Dimensions (MM)	770*670*25
Weight (KG)	6.5
Vmp (V)	18.8
Imp (A)	5.32
Voc (V)	22.9
Isc (A)	5.75

**110W**



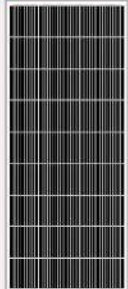
Power(W)	110W
Module Tyte	SS110M—36
Number of Cells	36 (4*9)
Dimensions (MM)	890*670*25
Weight (KG)	6.5
Vmp (V)	18.8
Imp (A)	5.85
Voc (V)	22.9
Isc (A)	6.32

**130W**



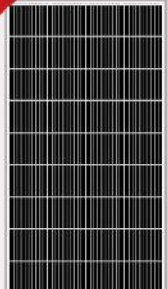
Power(W)	130W
Module Tyte	SS130M—36
Number of Cells	36 (4*9)
Dimensions (MM)	1005*670*30
Weight (KG)	7.6
Vmp (V)	18.8
Imp (A)	6.91
Voc (V)	22.9
Isc (A)	7.47

**140W**



Power(W)	140W
Module Tyte	SS140M—36
Number of Cells	36 (4*9)
Dimensions (MM)	1130*470*30
Weight (KG)	8.5
Vmp (V)	18.5
Imp (A)	7.45
Voc (V)	22.9
Isc (A)	8.04

**160W**



Power(W)	160W
Module Tyte	SS160M—36
Number of Cells	36 (4*9)
Dimensions (MM)	1240*670*30
Weight (KG)	9.3
Vmp (V)	18.8
Imp (A)	8.51
Voc (V)	22.9
Isc (A)	9.19

### Temperature Rating

NMOT(Nominal Module OperatingTemperature)	41 ± 3°C
Temperature Coefficient of PMAX	-0.37%/°C
Temperature Coefficient of VOC	-0.29%/°C
Temperature Coefficient of ISC	0.05%/°C

### Maximum Ratings

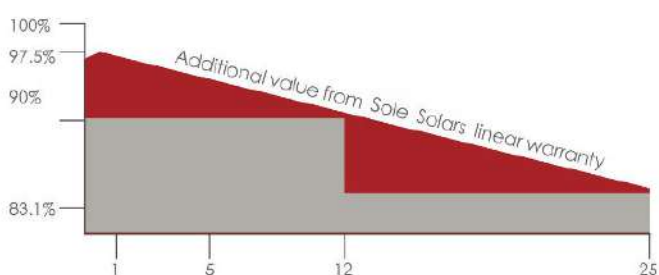
Operating temperature	-40~+85°C
Maximum system voltage	1000VDC
Maximum fuse rated current	10A

### Linear performance warranty

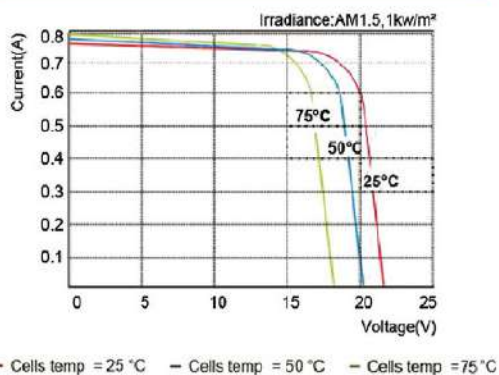
**12 YEAR**  
Product Warranty

**25 YEAR**  
Linear Power Warranty

■ Linear Performance Warranty  
■ Standard Performance Warranty



### Characteristics



— Cells temp = 25 °C — Cells temp = 50 °C — Cells temp = 75 °C



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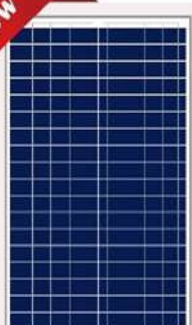




# CUSTOMIZED POLY SOLAR PANELS

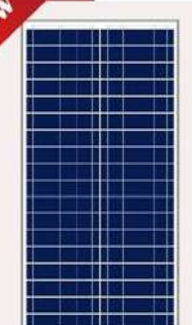
## 25-140W

**25-30W**




Power(W)	25~30W	
Number of Cells	36 (2*18)	
Dimensions (MM)	550*350*25	
Weight (KG)	2	
Module Tyte	AS25P	AS30P
Vmp (V)	17.9	18.2
Imp (A)	1.40	1.65
Voc (V)	21.8	22.3
Isc (A)	1.53	1.79

**30-35W**




Power(W)	30~35W	
Number of Cells	36 (2*18)	
Dimensions (MM)	640*350*25	
Weight (KG)	2.5	
Module Tyte	AS30P	AS35P
Vmp (V)	17.9	18.2
Imp (A)	1.68	1.92
Voc (V)	21.8	22.3
Isc (A)	1.83	2.09

**40-45W**




Power(W)	40~45W	
Number of Cells	36 (4*9)	
Dimensions (MM)	410*670*25	
Weight (KG)	3	
Module Tyte	AS40P	AS45P
Vmp (V)	17.9	18.2
Imp (A)	2.23	2.47
Voc (V)	21.8	22.3
Isc (A)	2.45	2.69

**50-55W**




Power(W)	50~55W	
Number of Cells	36 (4*9)	
Dimensions (MM)	535*670*25	
Weight (KG)	4	
Module Tyte	AS50P	AS55P
Vmp (V)	17.9	18.2
Imp (A)	2.79	3.02
Voc (V)	21.8	22.3
Isc (A)	3.06	3.29

**60-70W**



Power(W)	60~70W	
Number of Cells	36 (4*9)	
Dimensions (MM)	650*670*25	
Weight (KG)	5	
Module Tyte	AS60P	AS70P
Vmp (V)	17.9	18.4
Imp (A)	3.35	3.80
Voc (V)	21.8	22.4
Isc (A)	3.67	4.17

**75-85W**




Power(W)	75~85W	
Number of Cells	36 (4*9)	
Dimensions (MM)	770*670*25	
Weight (KG)	6	
Module Tyte	AS75P	AS85P
Vmp (V)	17.9	18.4
Imp (A)	4.19	4.62
Voc (V)	21.8	22.4
Isc (A)	4.59	5.06

**110-115W**



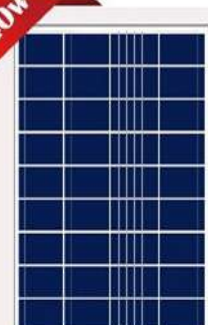
Power(W)	110~115W	
Number of Cells	36 (4*9)	
Dimensions (MM)	1005*670*30	
Weight (KG)	7.5	
Module Tyte	AS110P	AS115P
Vmp (V)	17.9	18.5
Imp (A)	5.59	6.22
Voc (V)	21.8	22.4
Isc (A)	6.12	6.85

**120-130W**



Power(W)	120~130W	
Number of Cells	36 (4*9)	
Dimensions (MM)	1130*670*30	
Weight (KG)	8.5	
Module Tyte	AS120P	AS130P
Vmp (V)	17.9	18.5
Imp (A)	6.70	7.03
Voc (V)	21.8	22.4
Isc (A)	7.34	7.74

**130-140W**



Power(W)	130~140W	
Number of Cells	36 (4*9)	
Dimensions (MM)	1240*670*30	
Weight (KG)	9.5	
Module Tyte	AS130P	AS140P
Vmp (V)	17.9	18.8
Imp (A)	7.26	7.57
Voc (V)	21.8	22.5
Isc (A)	7.95	8.30

**Temperature Rating**

NMOT(Nominal Module OperatingTemperature)	41±3°C
Temperature Coefficient of P <sub>MAX</sub>	-0.37%/°C
Temperature Coefficient of V <sub>OC</sub>	-0.29%/°C
Temperature Coefficient of I <sub>SC</sub>	0.05%/°C

**Maximum Ratings**

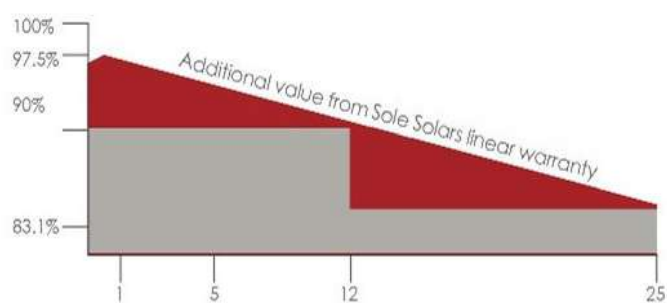
Operating temperature	-40+85°C
Maximum system voltage	1000VDC
Maximum fuse rated current	10A

### Linear performance warranty

**12 YEAR**  
Product  
Warranty

**25 YEAR**  
Linear Power  
Warranty

- Linear Performance Warranty
- Standard Performance Warranty



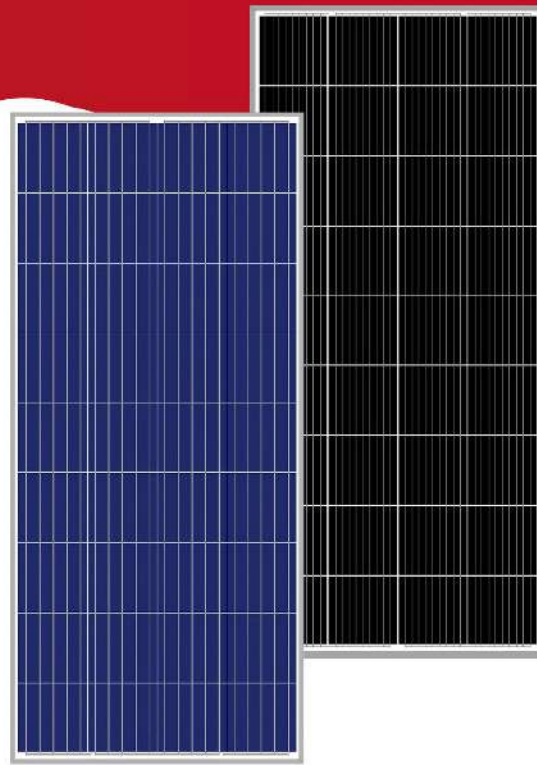
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# SOLAR

150-200W

standard 36 cells crystalline PV Module



## Product Advantage

**5&9 Busbar Solar Cell**  
5&9 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

## Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



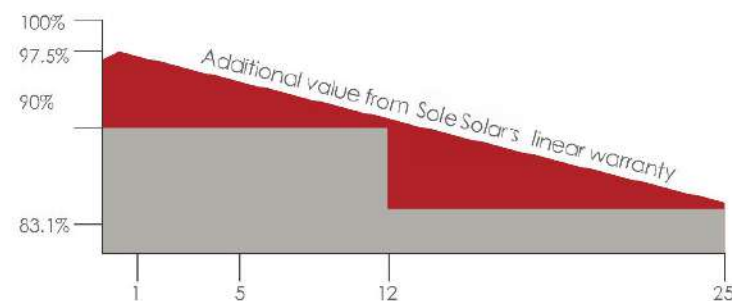
## Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

## Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty

■ Linear Performance Warranty  
■ Standard Performance Warranty



## Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS160M-36	160	36 (4*9)	1480*670*35	11	18.2	8.80	22.3	9.57	16.1%
SS170M-36	170	36 (4*9)	1480*670*35	11	18.5	9.19	22.8	9.75	17.1%
SS180M-36	180	36 (4*9)	1480*670*35	11	19.0	9.48	23.5	9.82	18.2%
SS190M-36	190	36 (4*9)	1480*670*35	11	19.4	9.80	23.8	10.17	19.2%
SS200M-36	200	36 (4*9)	1480*670*35	11	19.8	10.1	24.1	10.51	20.2%

## Poly Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS150P-36	150	36 (4*9)	1480*670*35	11	18.0	8.34	22.2	9.01	15.1%
SS155P-36	155	36 (4*9)	1480*670*35	11	18.2	8.52	22.4	9.17	15.6%
SS160P-36	160	36 (4*9)	1480*670*35	11	18.4	8.70	22.6	9.32	16.1%
SS165P-36	165	36 (4*9)	1480*670*35	11	18.7	8.83	22.8	9.46	16.6%
SS170P-36	170	36 (4*9)	1480*670*35	11	19.1	8.91	23.2	9.52	17.1%

## Temperature Rating

Rated battery operating temperature	45 ± 2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

## Limit parameter

Operating temperature	-40~+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

\*Standard test conditions:measured values(atmospheric mass AM1.5,irradiance 1000W/m2,battery temperature 25°C)

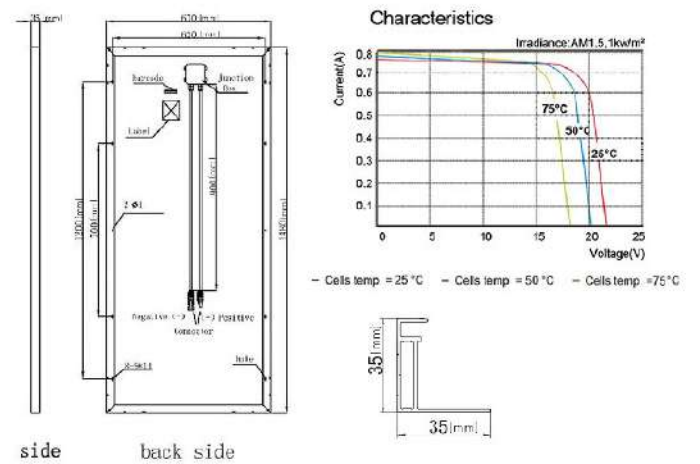
## Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65/IP67 rated
Connectors	MC4 compatible

## Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	30&44	30
Pallets per container	14	45
Pieces per container	518	1350

## Mechanical Drawings



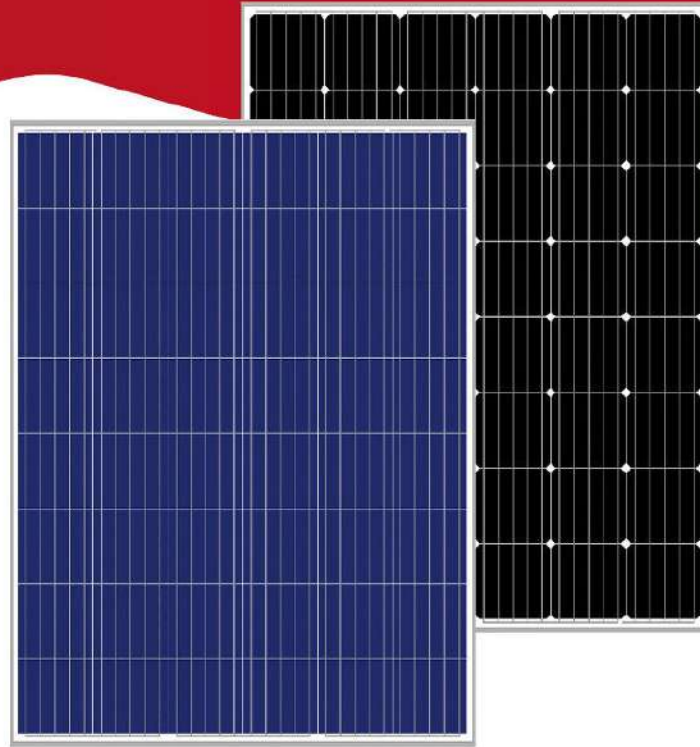
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# SOLAR

200-270W

standard 48 cells crystalline PV Module



### Product Advantage

**5&9 Busbar Solar Cell**  
5&9 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



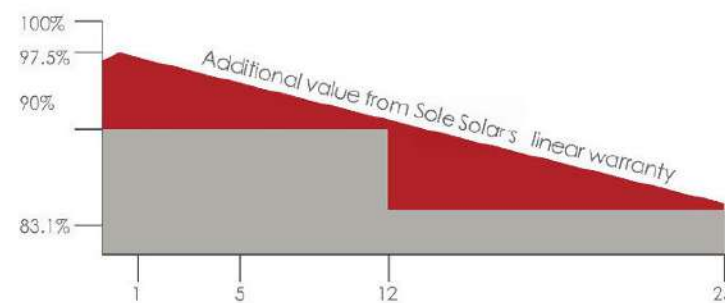
### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty

■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS230M-48	230	48 (4*8)	1324*992*35	15	24.9	9.24	30.9	9.67	17.5%
SS240M-48	240	48 (4*8)	1324*992*35	15	25.5	9.42	31.5	9.77	18.3%
SS250M-48	250	48 (4*8)	1324*992*35	15	25.8	9.69	31.8	10.01	19.0%
SS260M-48	260	48 (4*8)	1324*992*35	15	26.2	9.93	32.1	10.25	19.8%
SS270M-48	270	48 (4*8)	1324*992*35	15	26.5	10.19	32.4	10.55	20.6%

### Poly Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS200P-48	200	48 (4*8)	1324*992*35	15	24.2	8.27	27.7	8.86	15.2%
SS210P-48	210	48 (4*8)	1324*992*35	15	24.6	8.54	30.3	9.00	16.0%
SS215P-48	215	48 (4*8)	1324*992*35	15	24.9	8.64	30.6	9.07	16.4%
SS220P-48	220	48 (4*8)	1324*992*35	15	25.2	8.74	30.9	9.13	16.8%
SS230P-48	230	48 (4*8)	1324*992*35	15	25.5	9.02	31.2	9.39	17.5%

### Temperature Rating

Rated battery operating temperature	45±2℃
Maximum power temperature coefficient	-0.4%/℃
Open circuit voltage temperature coefficient	-0.29%/℃
Short circuit current temperature coefficient	-0.05%/℃

### Limit parameter

Operating temperature	-40~+85℃
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

\*Standard test conditions:measured values[atmosphric mass AM.5,irradiance 1000W/m2,battery temperature 25℃]

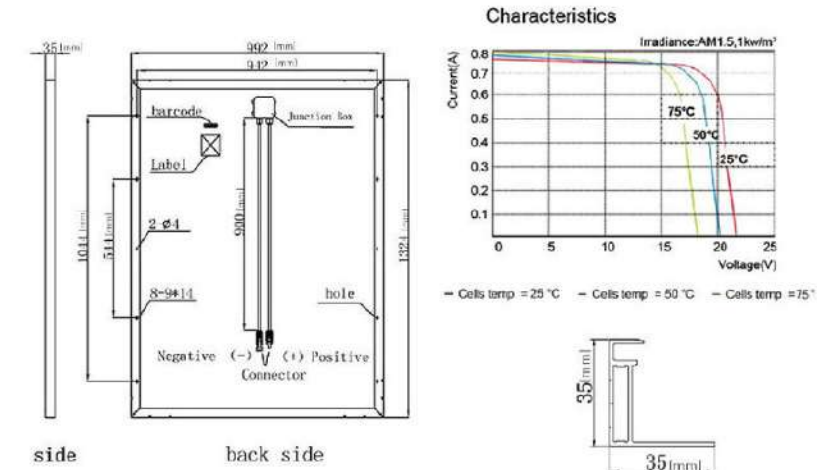
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated
Connectors	MC4 compatible

### Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	30	30&36
Pallets per container	16	34
Pieces per container	480	1140

### Mechanical Drawings



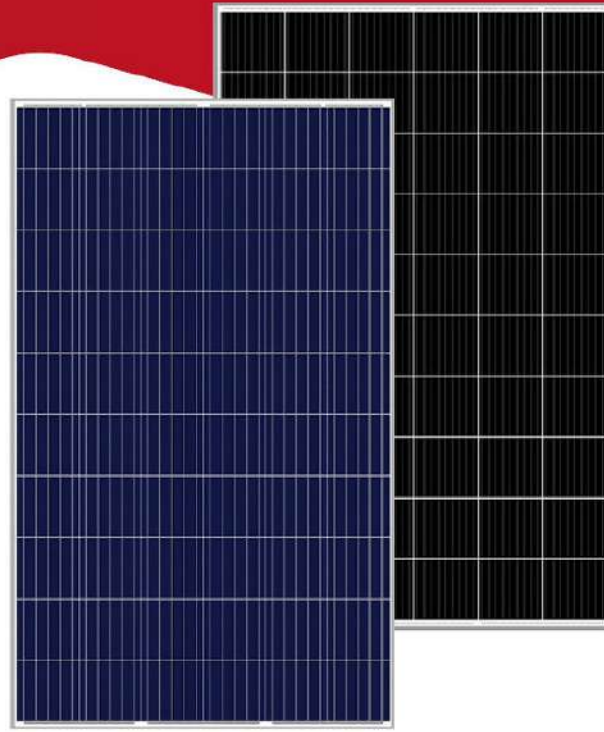
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# SOLAR

275-350W

standard 60 cells crystalline PV Module



### Product Advantage

**5&9 Busbar Solar Cell** (158.75\*158.75mm)  
5&9 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified;  
lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



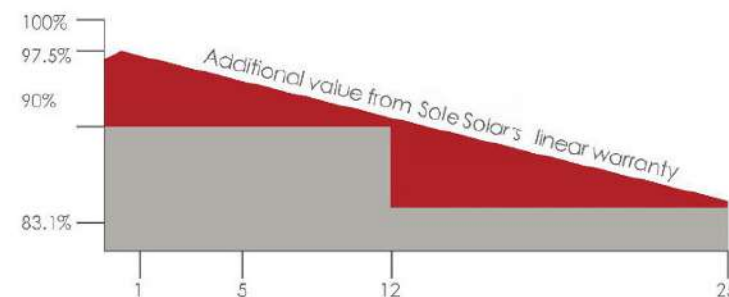
### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty

■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS320M-60	320	60 (6*10)	1665*1002*35	18.5	32.4	9.88	39.9	10.15	19.2%
SS330M-60	330	60 (6*10)	1665*1002*35	18.5	32.8	10.07	40.3	10.37	19.8%
SS340M-60	340	60 (6*10)	1665*1002*35	18.5	33.2	10.25	40.7	10.57	20.4%
SS350M-60	350	60 (6*10)	1665*1002*35	18.5	33.5	10.42	41.1	10.78	21.0%

### Poly Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS 275P-60	275	60 (6*10)	1665*1002*35	18.5	29.9	9.20	37.6	9.75	16.5%
SS 280P-60	280	60 (6*10)	1665*1002*35	18.5	31.2	8.97	37.8	9.75	16.8%
SS 285P-60	285	60 (6*10)	1665*1002*35	18.5	31.3	9.11	38.1	9.71	17.1%
SS 290P-60	290	60 (6*10)	1665*1002*35	18.5	31.5	9.21	38.3	9.73	17.4%

### Temperature Rating

Rated battery operating temperature	45 ± 2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

\*Standard test conditions:measured values(atmospheric mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

### Limit parameter

Operating temperature	-40~+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

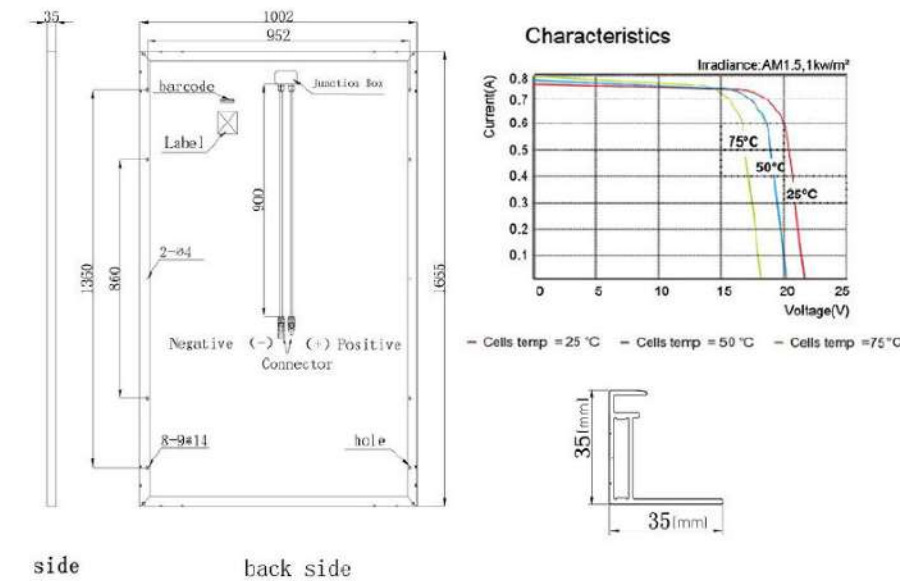
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated
Connectors	MC4 compatible

### Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	30	30&36
Pallets per container	13	28
Pieces per container	388	924

### Mechanical Drawings



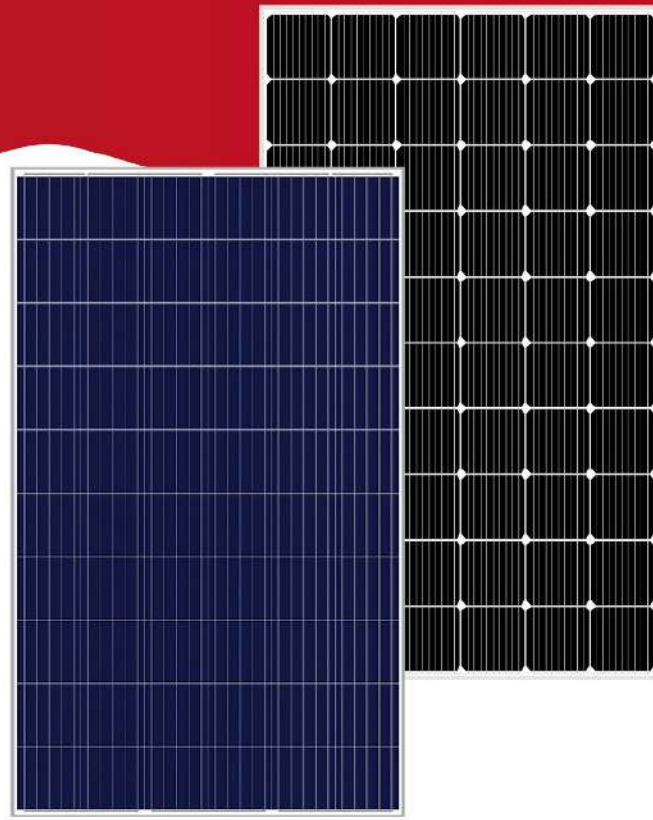
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# SOLAR

## 260-350W

standard 60 cells crystalline PV Module



### Product Advantage

**5 Busbar Solar Cell (157\*157mm)**  
5 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



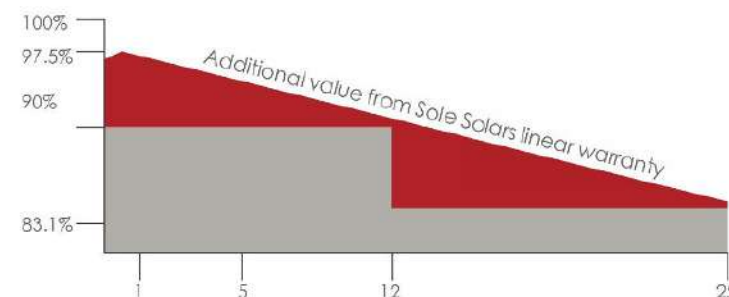
### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty

■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS330M6-60	330	60 (6*10)	1650*992*35	18.5	32.8	10.07	40.3	10.37	19.8%
SS335M6-60	335	60 (6*10)	1650*992*35	18.5	33.0	10.16	40.5	10.47	20.1%
SS340M6-60	340	60 (6*10)	1650*992*35	18.5	33.2	10.25	40.7	10.57	20.4%
SS345M6-60	345	60 (6*10)	1650*992*35	18.5	33.6	10.27	41.1	10.63	20.7%
SS350M6-60	350	60 (6*10)	1650*992*35	18.5	33.6	10.42	41.1	10.78	21.0%

### Poly Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS260-60	260	60 (6*10)	1650*992*35	18.5	30.3	8.59	37.4	9.15	16.0%
SS265-60	265	60 (6*10)	1650*992*35	18.5	30.6	8.67	37.7	9.21	16.3%
SS270-60	270	60 (6*10)	1650*992*35	18.5	30.9	8.74	38.0	9.29	16.6%
SS275-60	275	60 (6*10)	1650*992*35	18.5	31.2	8.82	38.3	9.32	16.9%
SS280-60	280	60 (6*10)	1650*992*35	18.5	31.5	8.89	38.6	9.42	17.2%

### Temperature Rating

Rated battery operating temperature	45±2℃
Maximum power temperature coefficient	-0.4%/℃
Open circuit voltage temperature coefficient	-0.29%/℃
Short circuit current temperature coefficient	-0.05%/℃

### Limit parameter

Operating temperature	-40~+85℃
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

\*Standard test conditions:measured values(atmospheric mass AM.5,irradiance 1000W/m2,battery temperature 25℃)

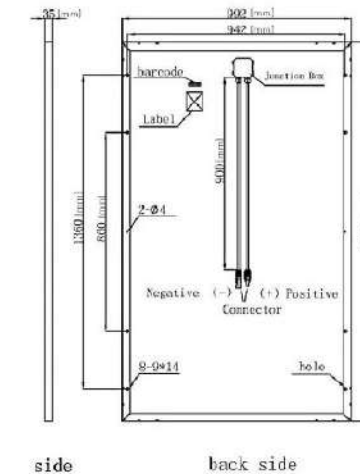
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65/IP67 rated
Connectors	MC4 compatible

### Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	30	30&36
Pallets per container	13	28
Pieces per container	388	924

### Mechanical Drawings

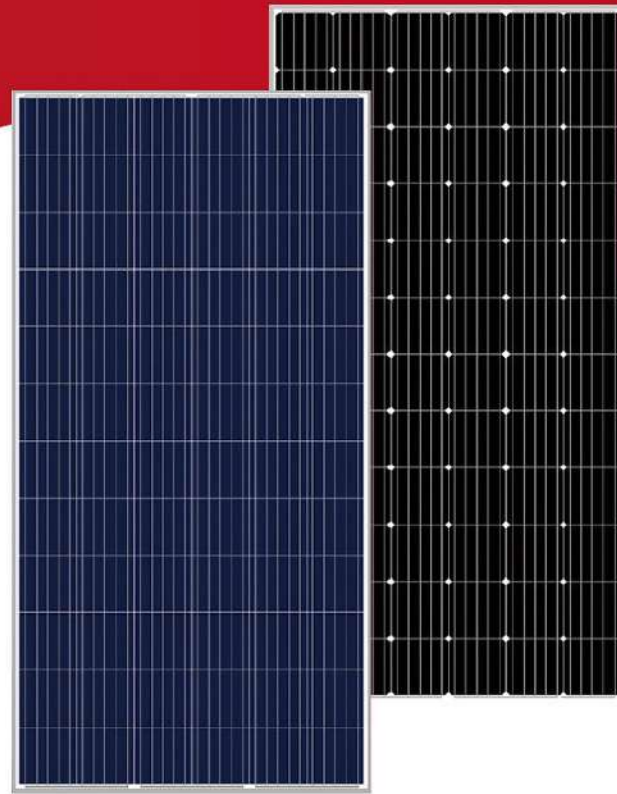




# SOLAR

## 310-380W

standard 72 cells crystalline PV Module



### Product Advantage

**5 Busbar Solar Cell (157\*157mm)**  
5 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems

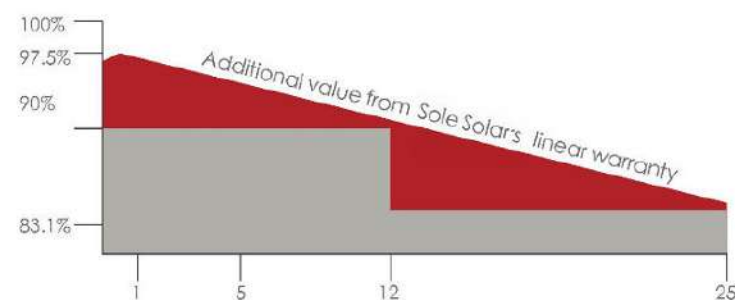


### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty  
■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS350M-72	350	72 (6*12)	1956*992*40	20.5	37.3	9.39	46.2	9.78	18.0%
SS360M-72	360	72 (6*12)	1956*992*40	20.5	37.8	9.53	46.7	9.88	18.6%
SS370M-72	370	72 (6*12)	1956*992*40	20.5	38.3	9.67	47.3	9.96	19.1%
SS380M-72	380	72 (6*12)	1956*992*40	20.5	38.9	9.77	47.9	10.04	19.6%

### Poly Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS310P-72	310	72 (6*12)	1956*992*40	20.5	36.4	8.52	45.2	9.08	16.0%
SS320P-72	320	72 (6*12)	1956*992*40	20.5	36.8	8.70	45.8	9.19	16.5%
SS330P-72	330	72 (6*12)	1956*992*40	20.5	37.4	8.83	46.2	9.34	17.0%
SS340P-72	340	72 (6*12)	1956*992*40	20.5	37.7	9.02	46.5	9.50	17.5%

### Temperature Rating

Rated battery operating temperature	45 ± 2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

\*Standard test conditions:measured values(atmospheric mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

### Limit parameter

Operating temperature	-40~+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

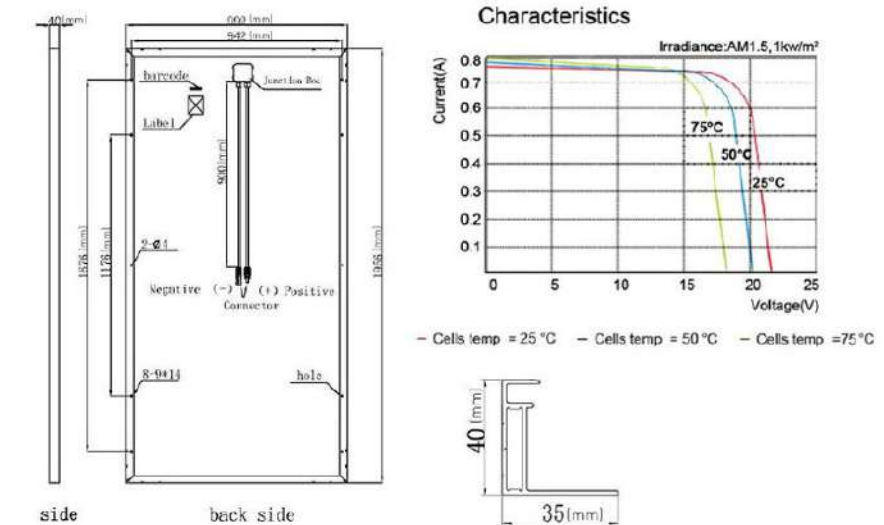
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated
Connectors	MC4 compatible

### Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	27&36	27&33
Pallets per container	10	24
Pieces per container	294	720

### Mechanical Drawings



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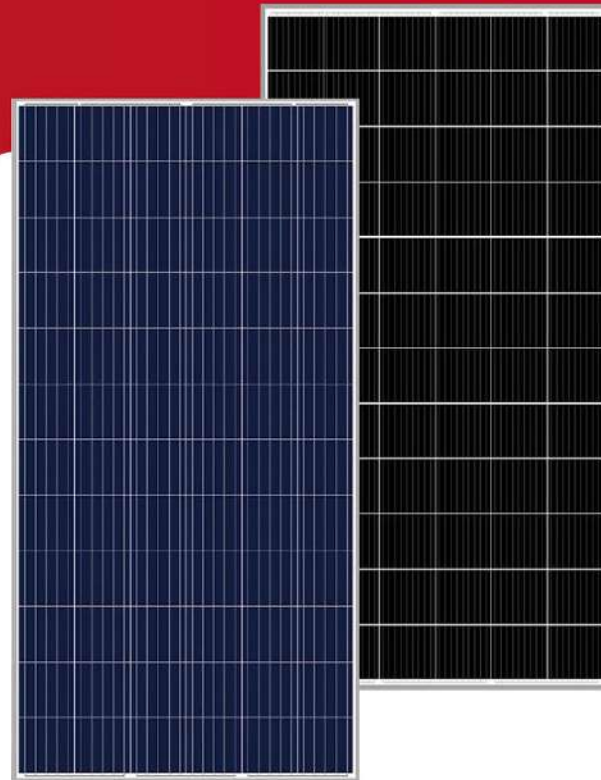




# SOLAR

335-410W

standard 72 cells crystalline PV Module



## Product Advantage

**5&9 Busbar Solar Cell** (158.75\*158.75mm)  
5&9 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified;  
lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

## Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems

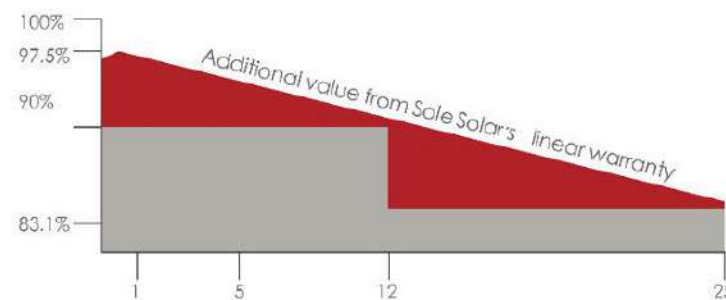


## Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

## Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty  
■ Linear Performance Warranty  
■ Standard Performance Warranty



## Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS390M-72	390	72 (6*12)	1980*1002*40	21	39.2	9.95	48.2	10.37	20.1%
SS400M-72	400	72 (6*12)	1980*1002*40	21	39.5	10.13	48.5	10.51	20.6%
SS410M-72	410	72 (6*12)	1980*1002*40	21	39.8	10.31	48.8	10.63	21.1%

## Poly Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS335P-72	335	72 (6*12)	1980*1002*40	21	37.3	8.99	45.9	9.73	16.9%
SS340P-72	340	72 (6*12)	1980*1002*40	21	37.5	9.07	46.1	9.70	17.1%
SS350P-72	350	72 (6*12)	1980*1002*40	21	37.9	9.24	46.3	9.82	17.6%

## Temperature Rating

Rated battery operating temperature	45 ± 2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

## Limit parameter

Operating temperature	-40~+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

\*Standard test conditions:measured values(atmosphirc mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

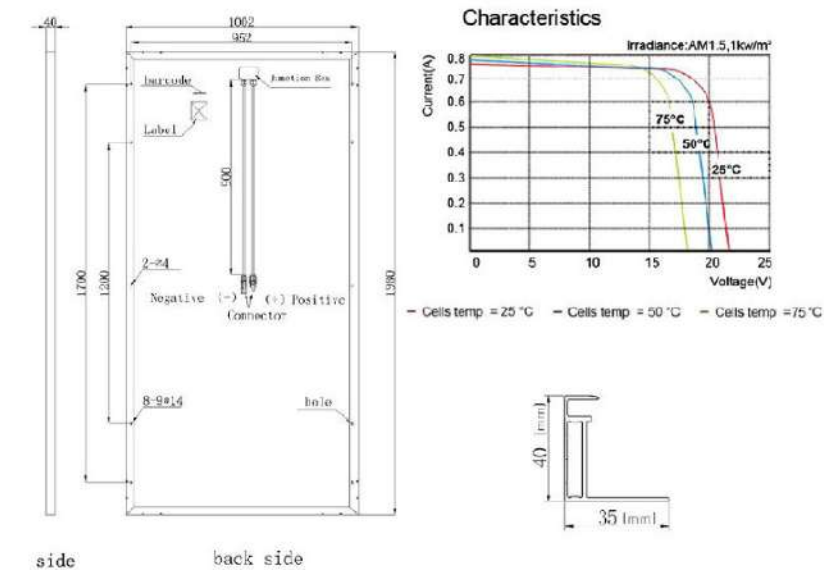
## Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated
Connectors	MC4 compatible

## Packing Configuration

Container	20'GP	40'GP
Pieces per pallet	27&36	27&33
Pallets per container	10	24
Pieces per container	294	720

## Mechanical Drawings



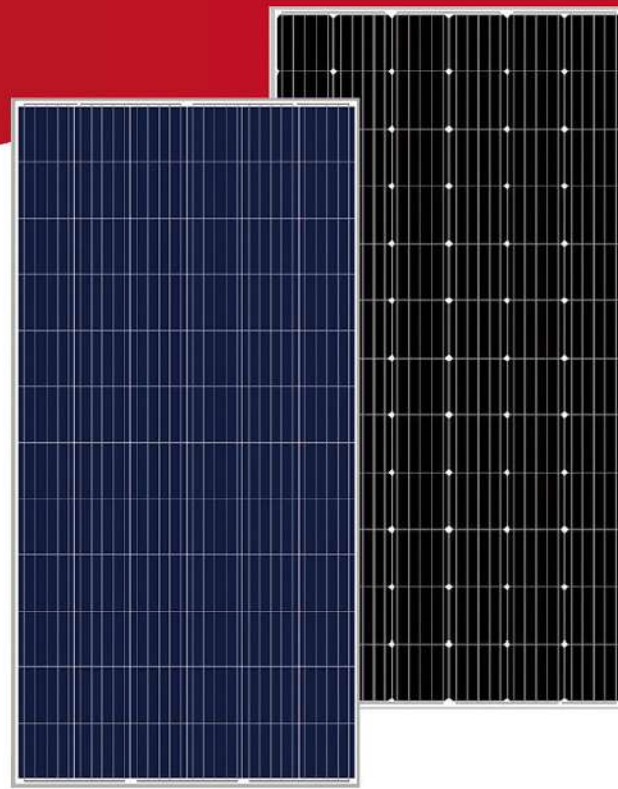
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# SOLAR

## 420-500W

standard 96 cells crystalline PV Module



### Product Advantage

**5 Busbar Solar Cell** (157\*157mm)  
5 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified;  
lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems

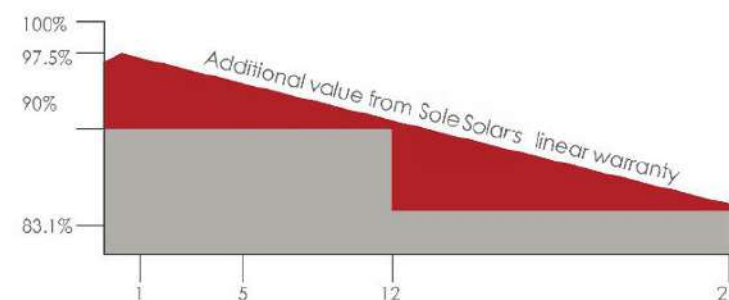


### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty  
■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS460M-96	460	96 (8*12)	1956*1310*40	26	48.9	9.41	61.6	9.70	18.0%
SS470M-96	470	96 (8*12)	1956*1310*40	26	49.3	9.54	61.9	9.80	18.3%
SS480M-96	480	96 (8*12)	1956*1310*40	26	49.6	9.68	62.2	9.89	18.7%
SS490M-96	490	96 (8*12)	1956*1310*40	26	49.9	9.82	62.5	9.99	19.1%
SS500M-96	500	96 (8*12)	1956*1310*40	26	51.2	9.77	62.8	10.08	19.5%

### Poly Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS420P-96	420	96 (8*12)	1956*1310*40	26	48.5	8.66	60.1	9.08	16.4%
SS430P-96	430	96 (8*12)	1956*1310*40	26	48.8	8.82	60.4	9.22	16.8%
SS440P-96	440	96 (8*12)	1956*1310*40	26	49.1	8.97	60.7	9.35	17.2%
SS450P-96	450	96 (8*12)	1956*1310*40	26	49.4	9.11	60.9	9.50	17.6%
SS460P-96	460	96 (8*12)	1956*1310*40	26	49.7	9.26	61.2	9.64	18.0%

### Temperature Rating

Rated battery operating temperature	45±2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

### Limit parameter

Operating temperature	-40-+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

\*Standard test conditions:measured values(atmosphirc mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

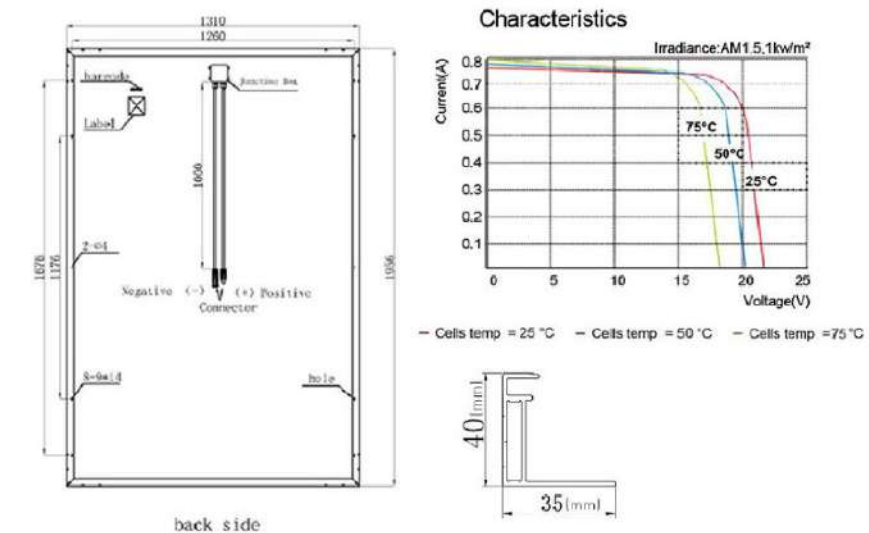
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated
Connectors	MC4 compatible

### Packing Configuration

Container	20'GP	40'GP
Pieces per pallet	51	59
Pallets per container	4	9
Pieces per container	204	531

### Mechanical Drawings



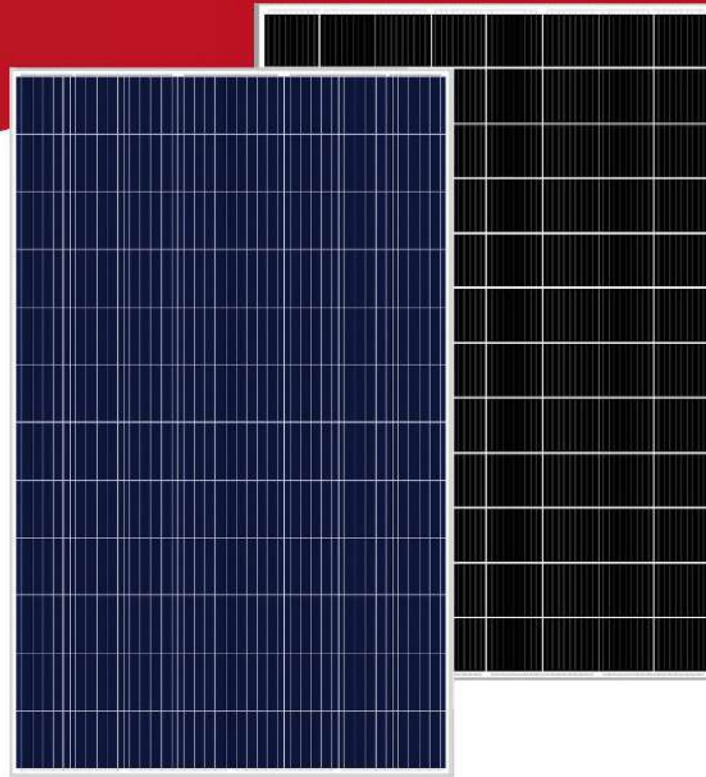
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# SOLAR

## 450-550W

standard 96 cells crystalline PV Module



### Product Advantage

**5&9 Busbar Solar Cell** (158.75\*158.75mm)  
5&9 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified;  
lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems

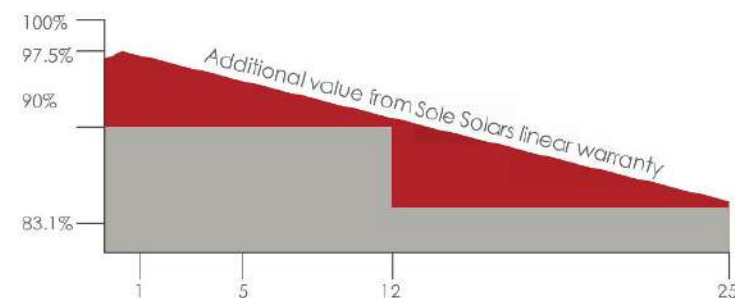


### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty  
■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS500W-S8	500	96 (8*12)	1980*1320*40	26.5	51.2	9.77	62.8	10.08	19.1%
SS510W-S8	510	96 (8*12)	1980*1320*40	26.5	51.3	9.95	62.9	10.26	19.5%
SS520W-S8	520	96 (8*12)	1980*1320*40	26.5	51.6	10.18	63.2	10.41	19.9%
SS530W-S8	530	96 (8*12)	1980*1320*40	26.5	51.9	10.22	63.5	10.57	20.3%
SS540W-S8	540	96 (8*12)	1980*1320*40	26.5	52.2	10.35	63.8	10.71	20.7%
SS550W-S8	550	96 (8*12)	1980*1320*40	26.5	52.5	10.48	63.9	10.90	21.0%

### Poly Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS450W-S8	450	96 (8*12)	1980*1320*40	26.5	49.4	9.11	60.9	9.50	17.2%
SS460W-S8	460	96 (8*12)	1980*1320*40	26.5	49.7	9.26	61.2	9.64	17.6%
SS465W-S8	465	96 (8*12)	1980*1320*40	26.5	50.0	9.30	61.4	9.71	17.8%
SS470W-S8	470	96 (8*12)	1980*1320*40	26.5	50.3	9.35	61.6	9.78	18.0%

### Temperature Rating

Rated battery operating temperature	45 ± 2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

\*Standard test conditions:measured values(atmospheric mass AM1.5,irradiance 1000W/m2,battery temperature 25°C)

### Limit parameter

Operating temperature	-40~+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

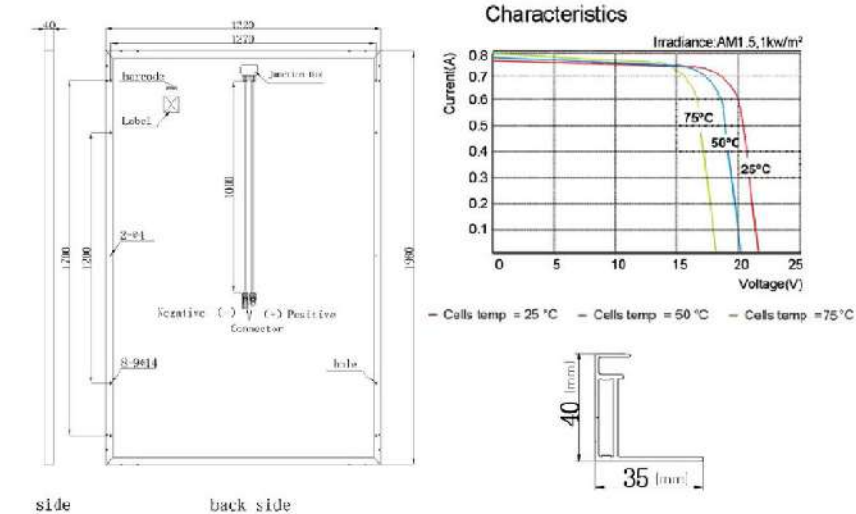
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated
Connectors	MC4 compatible

### Packing Configuration

Container	20'GP	40'GP
Pieces per pallet	52	56&27
Pallets per container	4	9
Pieces per container	208	475

### Mechanical Drawings



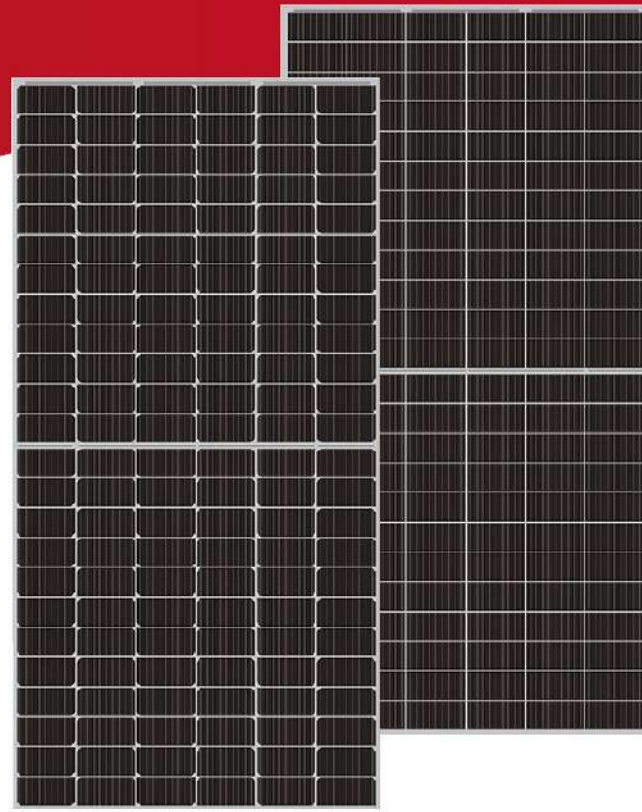
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# SOLAR

## 9BB MONO 420-450W

solar panel with 144 cells 166MM solar cells



### Product Advantage



**9 Busbar Solar Cell** (166\*83mm)  
9 busbar solar cell adopts new technology to improve the efficiency of modules



**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE



**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).



**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.



**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



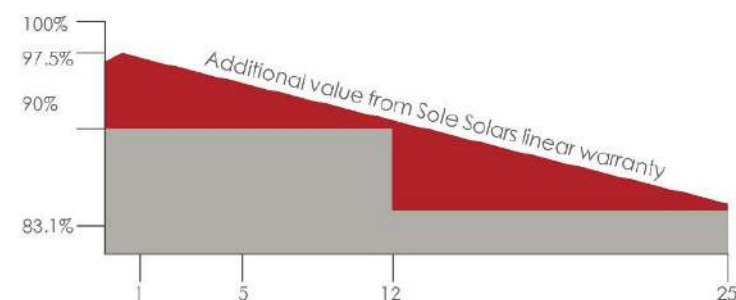
### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty



■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS420S7-144	420	144 (6*24)	2094*1038*35	25	40.59	10.35	48.27	10.97	19.3%
SS425S7-144	425	144 (6*24)	2094*1038*35	25	40.61	10.47	48.46	11.18	19.5%
SS430S7-144	430	144 (6*24)	2094*1038*35	25	40.72	10.56	48.65	11.49	19.7%
SS435S7-144	435	144 (6*24)	2094*1038*35	25	40.88	10.64	48.84	11.57	20.0%
SS440S7-144	440	144 (6*24)	2094*1038*35	25	41.08	10.71	49.05	11.64	20.2%
SS445S7-144	445	144 (6*24)	2094*1038*35	25	41.28	10.78	49.28	11.71	20.4%
SS450S7-144	450	144 (6*24)	2094*1038*35	25	41.47	10.85	49.51	11.78	20.7%

### Temperature Rating

Rated battery operating temperature	45±2℃
Maximum power temperature coefficient	-0.4%/℃
Open circuit voltage temperature coefficient	-0.29%/℃
Short circuit current temperature coefficient	-0.05%/℃

\*Standard test conditions:measured values(atmospheric mass AM.5,irradiance 1000W/m2,battery temperature 25℃)

### Limit parameter

Operating temperature	-40~+85℃
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

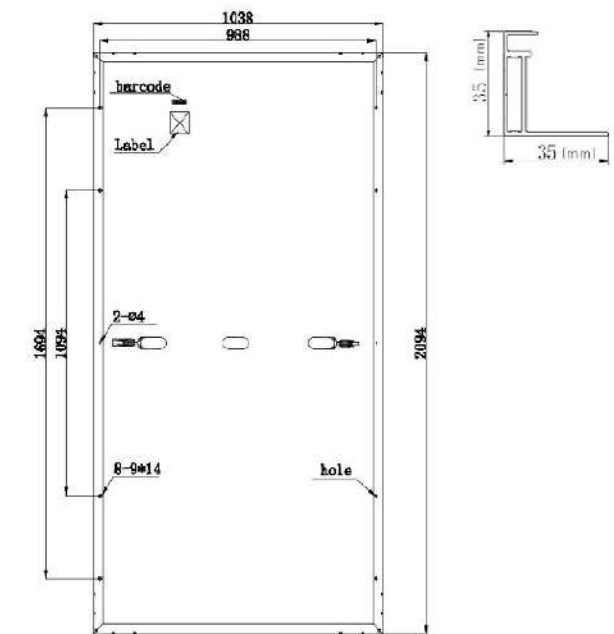
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated
Connectors	MC4 compatible

### Packing Configuration

Container	20'GP	40'GP
Pieces per pallet	30	30&34
Pallets per container	10	22
Pieces per container	286	704

### Mechanical Drawings



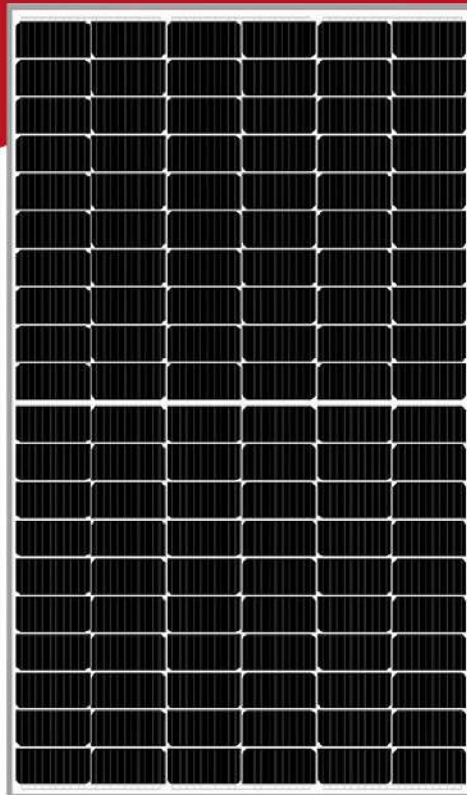
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# SOLAR

## 10BB MONO 450-500W

solar panel with 120 cells 182MM solar cells



### Product Advantage

**10 Busbar Solar Cell (182\*91mm)**  
10 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



### Technology

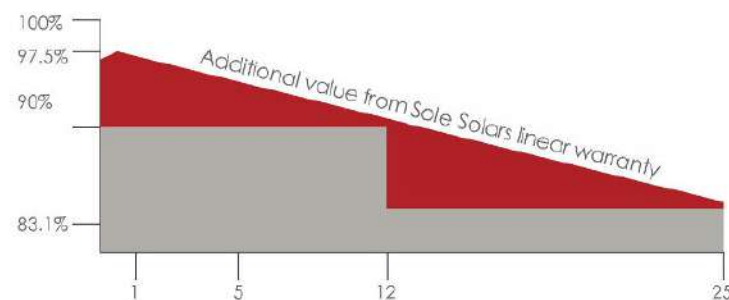
- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR**  
Product Warranty

**25 YEAR**  
Linear Power Warranty

■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter (STC 1000W/M Module Temperature 25°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS450S8	450	120 (6*20)	1915*1134*35	28.5	34.6	13.01	41.5	13.90	20.7%
SS460S8	460	120 (6*20)	1915*1134*35	28.5	34.7	13.26	41.6	14.00	21.2%
SS470S8	470	120 (6*20)	1915*1134*35	28.5	34.8	13.51	41.7	14.09	21.6%
SS480S8	480	120 (6*20)	1915*1134*35	28.5	34.9	13.75	41.8	14.35	22.1%
SS490S8	490	120 (6*20)	1915*1134*35	28.5	35.0	14.00	41.9	14.65	22.6%
SS500S8	500	120 (6*20)	1915*1134*35	28.5	35.1	14.25	42.0	14.88	23.0%

### Mono Crystalline Essential Parameter (NOCT 800W/M Environment Temperature 20°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS450S8	345.71	120 (6*20)	1915*1134*35	28.5	31.54	10.96	38.32	11.82	20.7%
SS460S8	353.39	120 (6*20)	1915*1134*35	28.5	31.63	11.17	38.41	11.90	21.2%
SS470S8	361.07	120 (6*20)	1915*1134*35	28.5	31.72	11.38	38.50	11.98	21.6%
SS480S8	368.75	120 (6*20)	1915*1134*35	28.5	31.81	11.59	38.60	12.20	22.1%
SS490S8	376.44	120 (6*20)	1915*1134*35	28.5	31.91	11.80	38.69	12.43	22.6%
SS500S8	384.12	120 (6*20)	1915*1134*35	28.5	32.00	12.00	38.78	12.65	23.0%

### Temperature Rating

Rated battery operating temperature	45 ± 2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

### Limit parameter

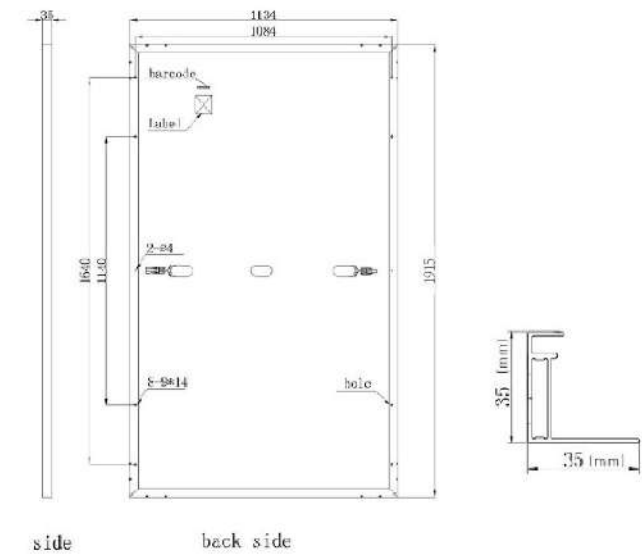
Operating temperature	-40~+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	25A

\*Standard test conditions:measured values(atmosphirc mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Connectors	MC4 compatible

### Mechanical Drawings



### Packing Configuration

Container	40'GP
Pieces per pallet	31
Pallets per container	24
Pieces per container	744

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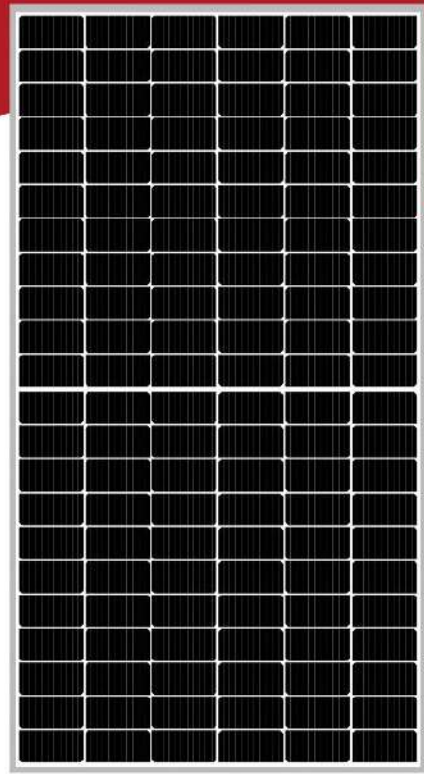




# SOLAR

## MONO 500-550W

solar panel with 132 cells 182MM solar cells



### Product Advantage

**Solar Cell** (182\*91mm)  
solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 21.0%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty  
■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter (STC 1000W/M Module Temperature 25°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS500S9	500	132 (6*22)	2100*1134*35mm	25	38.4	13.02	46.0	13.94	21.0%
SS510S9	510	132 (6*22)	2100*1134*35mm	25	38.5	13.25	46.1	14.00	21.4%
SS520S9	520	132 (6*22)	2100*1134*35mm	25	38.6	13.47	46.2	14.07	21.8%
SS530S9	530	132 (6*22)	2100*1134*35mm	25	38.7	13.70	46.3	14.31	22.3%
SS540S9	540	132 (6*22)	2100*1134*35mm	25	38.8	13.92	46.4	14.55	22.7%
SS550S9	550	132 (6*22)	2100*1134*35mm	25	38.9	14.14	46.5	14.78	23.1%

### Mono Crystalline Essential Parameter (NOCT 800W/M Environment Temperature 20°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS500S9	384.12	132 (6*22)	2100*1134*35mm	25	35.01	10.97	42.48	11.85	21.0%
SS510S9	391.80	132 (6*22)	2100*1134*35mm	25	35.10	11.16	42.57	11.90	21.4%
SS520S9	399.48	132 (6*22)	2100*1134*35mm	25	35.19	11.35	42.66	11.96	21.8%
SS530S9	407.16	132 (6*22)	2100*1134*35mm	25	35.28	11.54	42.75	12.16	22.3%
SS540S9	414.85	132 (6*22)	2100*1134*35mm	25	35.37	11.73	42.84	12.37	22.7%
SS550S9	422.53	132 (6*22)	2100*1134*35mm	25	35.46	11.92	42.94	12.57	23.1%

### Temperature Rating

Rated battery operating temperature	45±2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

### Limit parameter

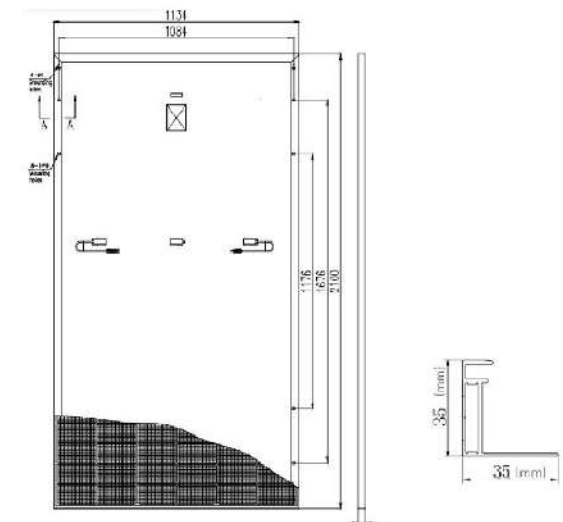
Operating temperature	-40-+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	25A

\*Standard test conditions:measured values(atmosphric mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Connectors	MC4 compatible

### Mechanical Drawings



### Packing Configuration

Container	40' GP
Pieces per pallet	31
Pallets per container	22
Pieces per container	682

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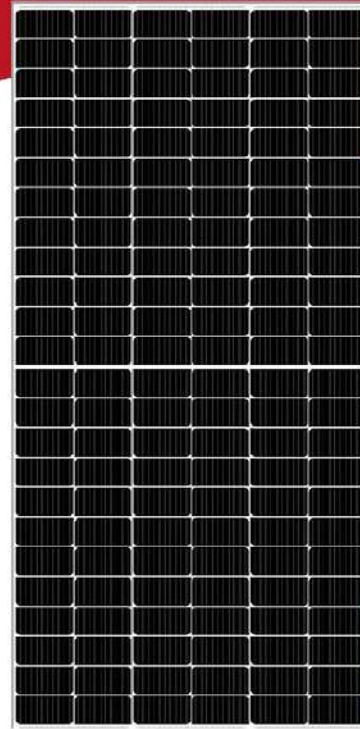




# SOLAR

## 10BB MONO 550-600W

solar panel with 144 cells 182MM solar cells



### Product Advantage

**10 Busbar Solar Cell** (182\*91mm)  
10 busbar solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty

■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter (STC 1000W/M Module Temperature 25°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS550S9	550	144 (6*24)	2279*1134*35	28.5	41.7	13.19	49.9	14.13	21.3%
SS560S9	560	144 (6*24)	2279*1134*35	28.5	41.8	13.40	50.0	14.18	21.7%
SS570S9	570	144 (6*24)	2279*1134*35	28.5	41.9	13.60	50.1	14.22	22.1%
SS580S9	580	144 (6*24)	2279*1134*35	28.5	42.0	13.81	50.2	14.44	22.4%
SS590S9	590	144 (6*24)	2279*1134*35	28.5	42.1	14.01	50.3	14.66	22.8%
SS600S9	600	144 (6*24)	2279*1134*35	28.5	42.2	14.22	50.4	14.88	23.2%

### Mono Crystalline Essential Parameter (NOCT 800W/M Environment Temperature 20°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS550S9	422.53	144 (6*24)	2279*1134*35	28.5	38.01	11.12	46.08	12.01	21.3%
SS560S9	430.21	144 (6*24)	2279*1134*35	28.5	38.10	11.29	46.17	12.05	21.7%
SS570S9	437.89	144 (6*24)	2279*1134*35	28.5	38.20	11.46	46.26	12.09	22.1%
SS580S9	445.58	144 (6*24)	2279*1134*35	28.5	38.29	11.64	46.35	12.28	22.4%
SS590S9	453.26	144 (6*24)	2279*1134*35	28.5	38.38	11.81	46.45	12.46	22.8%
SS600S9	460.94	144 (6*24)	2279*1134*35	28.5	38.47	11.98	46.54	12.65	23.2%

### Temperature Rating

Rated battery operating temperature	45±2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

### Limit parameter

Operating temperature	-40+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	25A

\*Standard test conditions:measured values(atmospheric mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

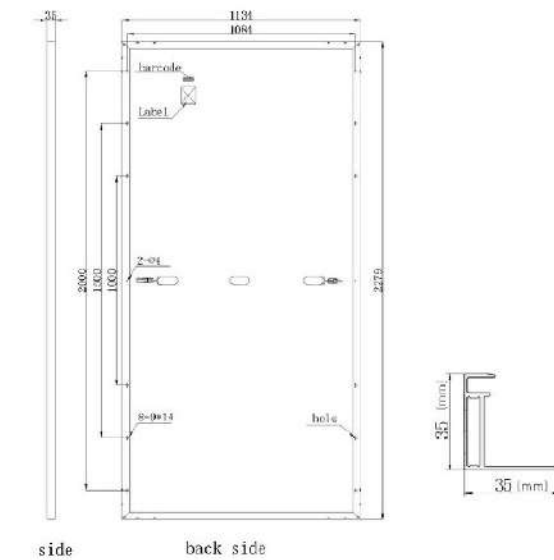
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Connectors	MC4 compatible

### Packing Configuration

Container	40' GP
Pieces per pallet	31
Pallets per container	20
Pieces per container	620

### Mechanical Drawings



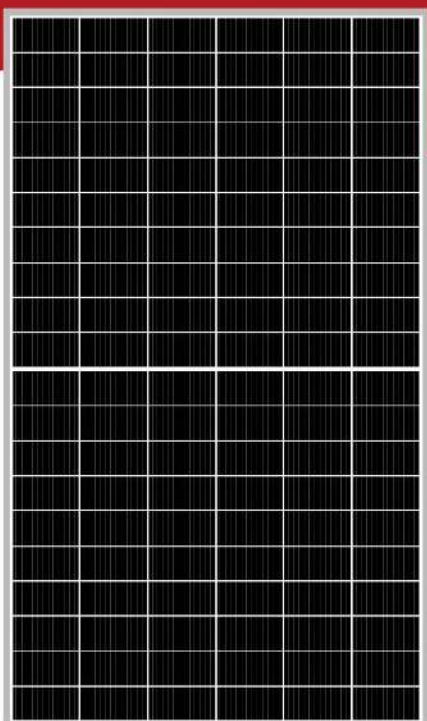
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# SOLAR

## MONO 600-650W

solar panel with 120 cells 210MM solar cells



### Product Advantage



**Solar Cell** (210\*105mm)  
solar cell adopts new technology to improve the efficiency of modules



**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE



**High Efficiency**  
Higher module conversion efficiency (up to 21.1%) benefit from half cell structure (low resistance characteristic).



**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.



**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



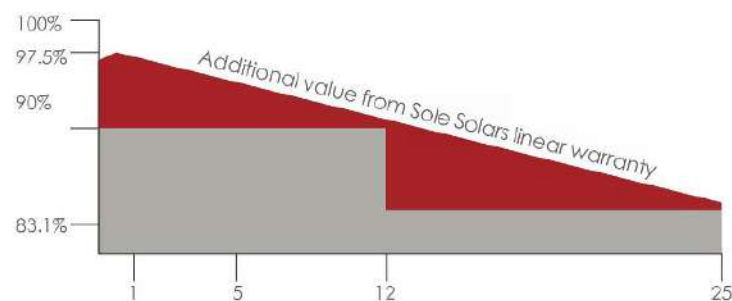
### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty



- Linear Performance Warranty
- Standard Performance Warranty



### Mono Crystalline Essential Parameter (STC 1000W/M Module Temperature 25°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS600S9	600	120 (6*20)	2196*1303*40mm	31	34.7	17.29	41.6	18.49	21.0%
SS610S9	610	120 (6*20)	2196*1303*40mm	31	34.8	17.53	41.7	18.52	21.3%
SS620S9	620	120 (6*20)	2196*1303*40mm	31	34.9	17.77	41.8	18.54	21.7%
SS630S9	630	120 (6*20)	2196*1303*40mm	31	35.0	18.00	41.9	18.79	22.0%
SS640S9	640	120 (6*20)	2196*1303*40mm	31	35.1	18.23	42.0	19.05	22.4%
SS650S9	650	120 (6*20)	2196*1303*40mm	31	35.2	18.47	42.1	19.30	22.7%

### Mono Crystalline Essential Parameter (NOCT 800W/M Environment Temperature 20°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS600S9	460.94	120 (6*20)	2196*1303*40mm	31	31.63	14.57	38.41	15.72	21.0%
SS610S9	468.62	120 (6*20)	2196*1303*40mm	31	31.72	14.77	38.50	15.74	21.3%
SS620S9	476.31	120 (6*20)	2196*1303*40mm	31	31.81	14.97	38.60	15.76	21.7%
SS630S9	483.99	120 (6*20)	2196*1303*40mm	31	31.91	15.17	38.69	15.98	22.0%
SS640S9	491.67	120 (6*20)	2196*1303*40mm	31	32.00	15.37	38.78	16.19	22.4%
SS650S9	499.35	120 (6*20)	2196*1303*40mm	31	32.09	15.56	38.87	16.40	22.7%

### Temperature Rating

Rated battery operating temperature	45±2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

\*Standard test conditions:measured values(atmospheric mass AM.5,irradiance 1000W/m2,battery temperature 25°C)

### Limit parameter

Operating temperature	-40-+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	25A

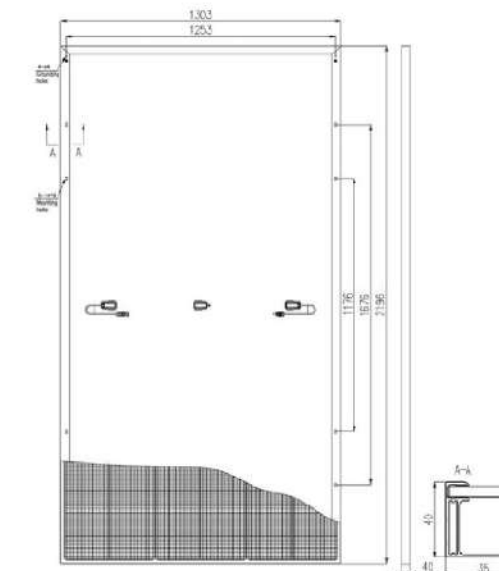
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Connectors	MC4 compatible

### Packing Configuration

Container	40'GP
Pieces per pallet	27
Pallets per container	16
Pieces per container	440

### Mechanical Drawings



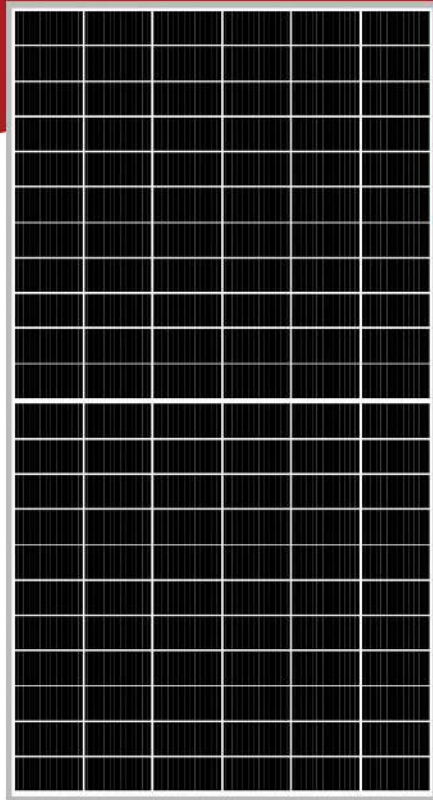
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# SOLAR

## MONO 650-700W

solar panel with 132 cells 210MM solar cells



### Product Advantage

**Solar Cell** (210\*105mm)  
solar cell adopts new technology to improve the efficiency of modules

**High Voltage**  
UL and IEC 1500V certified; lowers BOS costs and yields better LCOE

**High Efficiency**  
Higher module conversion efficiency (up to 21.2%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**  
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

### Key Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability of solar systems



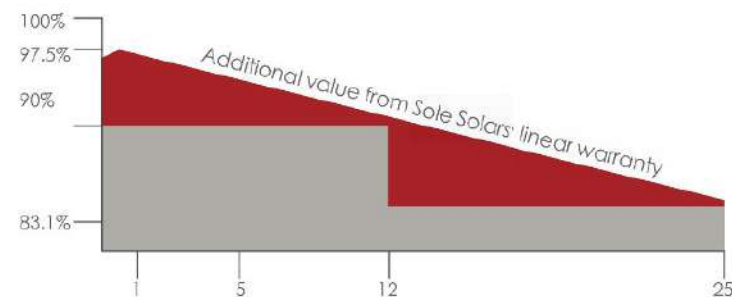
### Technology

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

### Linear performance warranty

**12 YEAR** Product Warranty  
**25 YEAR** Linear Power Warranty

■ Linear Performance Warranty  
■ Standard Performance Warranty



### Mono Crystalline Essential Parameter (STC 1000W/M Module Temperature 25°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS650S9	650	132 (6*22)	2411*1303*40mm	34.5	37.9	17.15	45.5	18.32	20.7%
SS660S9	660	132 (6*22)	2411*1303*40mm	34.5	38.0	17.37	45.6	18.32	21.0%
SS670S9	670	132 (6*22)	2411*1303*40mm	34.5	38.1	17.59	45.7	18.33	21.3%
SS680S9	680	132 (6*22)	2411*1303*40mm	34.5	38.2	17.80	45.8	18.56	21.6%
SS690S9	690	132 (6*22)	2411*1303*40mm	34.5	38.3	18.02	45.9	18.79	22.0%
SS700S9	700	132 (6*22)	2411*1303*40mm	34.5	38.4	18.23	46.0	19.02	22.3%

### Mono Crystalline Essential Parameter (NOCT 800W/M Environment Temperature 20°C A.M.1.5)

Model Type	Power(w)	Number of Cells	Dimensions(MM)	Weight(KG)	Vmp(v)	Imp (A)	Voc(v)	Isc(A)	Module Efficiency
SS650S9	499.35	132 (6*22)	2411*1303*40mm	34.5	34.55	14.45	42.01	15.57	20.7%
SS660S9	507.04	132 (6*22)	2411*1303*40mm	34.5	34.64	14.64	42.11	15.57	21.0%
SS670S9	514.72	132 (6*22)	2411*1303*40mm	34.5	34.73	14.82	42.20	15.58	21.3%
SS680S9	522.40	132 (6*22)	2411*1303*40mm	34.5	34.82	15.00	42.29	15.78	21.6%
SS690S9	530.08	132 (6*22)	2411*1303*40mm	34.5	34.91	15.18	42.38	15.97	22.0%
SS700S9	537.76	132 (6*22)	2411*1303*40mm	34.5	35.01	15.36	42.48	16.17	22.3%

### Temperature Rating

Rated battery operating temperature	45 ± 2°C
Maximum power temperature coefficient	-0.4%/°C
Open circuit voltage temperature coefficient	-0.29%/°C
Short circuit current temperature coefficient	-0.05%/°C

\*Standard test conditions:measured values[atmosphirc mass AM.5,irradiance 1000W/m2,battery temperature 25°C]

### Limit parameter

Operating temperature	-40+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	25A

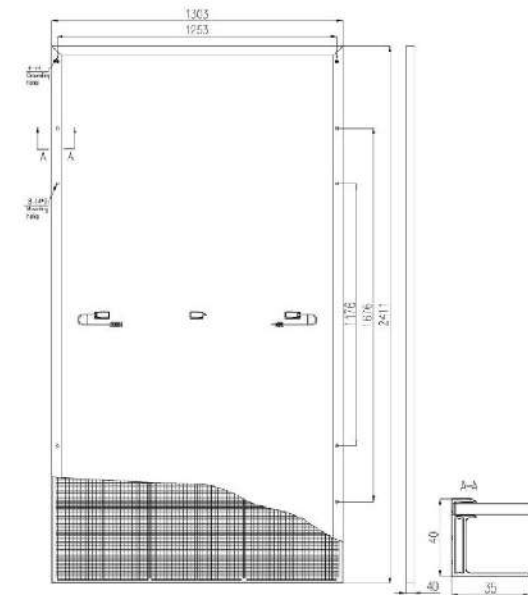
### Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Connectors	MC4 compatible

### Packing Configuration

Container	40'GP
Pieces per pallet	27
Pallets per container	16
Pieces per container	440

### Mechanical Drawings



**CONTACT US!**

