

SOLE SOLAR

GREEN ENERGY ADVOCATES

525—550W
solar panel with 144 cells 182MM solar cells



Product Feature



M Busbar Solar Cell
M 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)



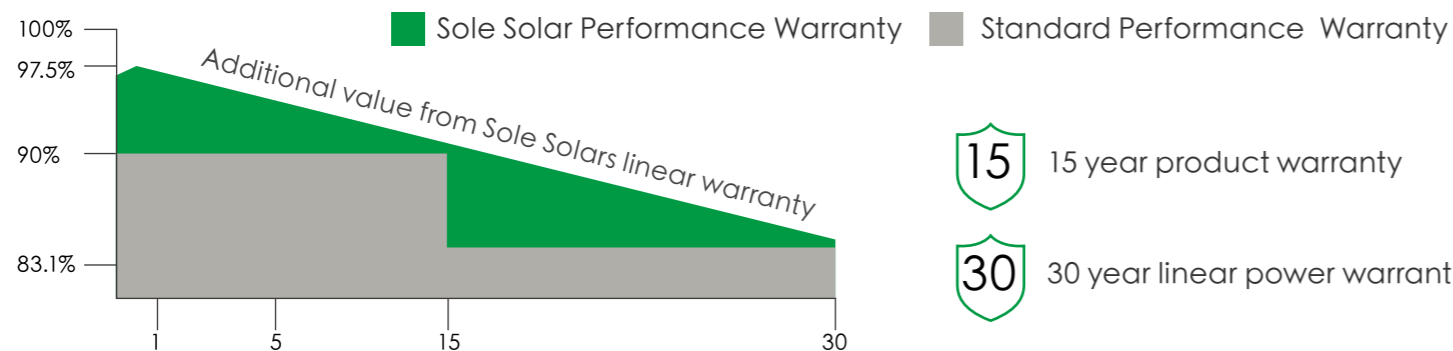
Low-light Performance
Advanced glass and cell surface textured design ensure excellent performance in low-light environment



Durability of extreme 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).



15 15 year product warranty

30 30 year linear power warranty

<https://www.solesolarpv.com/>



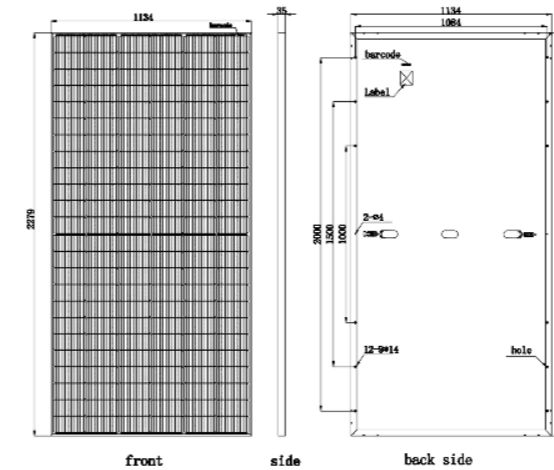
Mono Crystalline Essential Parameter (STC 1000W/M² Cell Temperature 25°C AM=1.5)

Model Type	SS525S8	SS530S8	SS535S8	SS540S8	SS545S8	SS550S8
Power(w)	525	530	535	540	545	550
Number of Cells	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)
Dimensions(MM)	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35
Weight(KG)	27	27	27	27	27	27
Vmp(v)	41.15	41.28	41.51	41.70	41.92	42.11
Imp (A)	12.76	12.84	12.89	12.95	13.00	13.06
Voc(v)	49.15	49.61	49.87	49.95	50.04	50.28
Isc(A)	13.65	13.66	13.72	13.78	13.84	13.90
Module Efficiency	20.31%	20.51%	20.70%	20.89%	21.09%	21.28%

Mono Crystalline Essential Parameter (NOCT 800W/M² Ambient Temperature 20°C AM=1.5)

Model Type	SS525S8	SS530S8	SS535S8	SS540S8	SS545S8	SS550S8
Power(w)	403.32	407.16	411.01	414.85	418.69	422.53
Number of Cells	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)	144 (6*24)
Dimensions(MM)	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35	2279*1134*35
Weight(KG)	27	27	27	27	27	27
Vmp(v)	37.51	37.63	37.84	38.01	38.21	38.39
Imp (A)	10.75	10.82	10.86	10.91	10.96	11.01
Voc(v)	45.33	45.76	46.00	46.07	46.15	46.37
Isc(A)	11.60	11.61	11.66	11.71	11.76	11.82
Module Efficiency	20.31%	20.51%	20.70%	20.89%	21.09%	21.28%

Mechanical Drawings



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

Mechanical Characteristics

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

Packing Configuration

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

CONTACT INFORMATION

E-mail: info@solesolarpv.com

Address: 6/F, Fulin Building, No. 6297 Bao'an Avenue, Fuhai Street, Baoan District, Shenzhen, China.

Tel: 0086-0755-23088748

CONTACT US!

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