

# SOLE SOLAR

GREEN ENERGY ADVOCATES

**420—440W**  
solar panel with 108 cells 182MM solar cells



### Mono Crystalline Essential Parameter (STC 1000W/M<sup>2</sup> Cell Temperature 25°C AM=1.5)

Model Type	SS420S8-108	SS425S8-108	SS430S8-108	SS435S8-108	SS440S8-108
Power(w)	420	425	430	435	440
Number of Cells	108 (6*18)	108 (6*18)	108 (6*18)	108 (6*18)	108 (6*18)
Dimensions(MM)	1724*1134*30	1724*1134*30	1724*1134*30	1724*1134*30	1724*1134*30
Weight(KG)	19.5	19.5	19.5	19.5	19.5
Vmp(v)	31.87	31.91	31.95	31.99	32.05
Imp (A)	13.18	13.32	13.46	13.60	13.73
Voc(v)	37.88	37.95	38.02	38.09	38.12
Isc(A)	14.13	14.27	14.40	14.54	14.69
Module Efficiency	21.5%	21.7%	22.0%	22.3%	22.5%

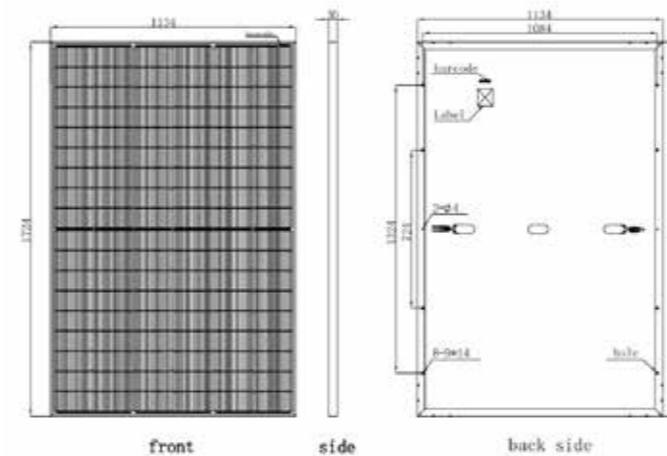
### Mono Crystalline Essential Parameter (NOCT 800W/M<sup>2</sup> Ambient Temperature 20°C AM=1.5)

Model Type	SS420S8-108	SS425S8-108	SS430S8-108	SS435S8-108	SS440S8-108
Power(w)	316	320	323	327	331
Number of Cells	108 (6*18)	108 (6*18)	108 (6*18)	108 (6*18)	108 (6*18)
Dimensions(MM)	1724*1134*30	1724*1134*30	1724*1134*30	1724*1134*30	1724*1134*30
Weight(KG)	19.5	19.5	19.5	19.5	19.5
Vmp(v)	29.94	29.98	30.01	30.05	30.11
Imp (A)	10.55	10.66	10.78	10.89	10.99
Voc(v)	36.00	36.07	36.13	36.20	36.23
Isc(A)	11.36	11.46	11.56	11.68	11.80
Module Efficiency	21.5%	21.7%	22.0%	22.3%	22.5%

### Product Feature

<p><b>M Busbar Solar Cell</b> M busbar solar cell adopts new technology to improve the efficiency of modules</p>	<p><b>High Voltage</b> UL and IEC 1500V certified; lowers BOS costs and yields better LCOE</p>
<p><b>High Efficiency</b> Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic)</p>	<p><b>Low-light Performance</b> Advanced glass and cell surface textured design ensure excellent performance in low-light environment</p>
<p><b>Durability of extreme conditions</b> High salt mist and ammonia resistance certified by TUV NORD</p>	<p><b>Severe Weather Resilience</b> Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).</p>

### 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

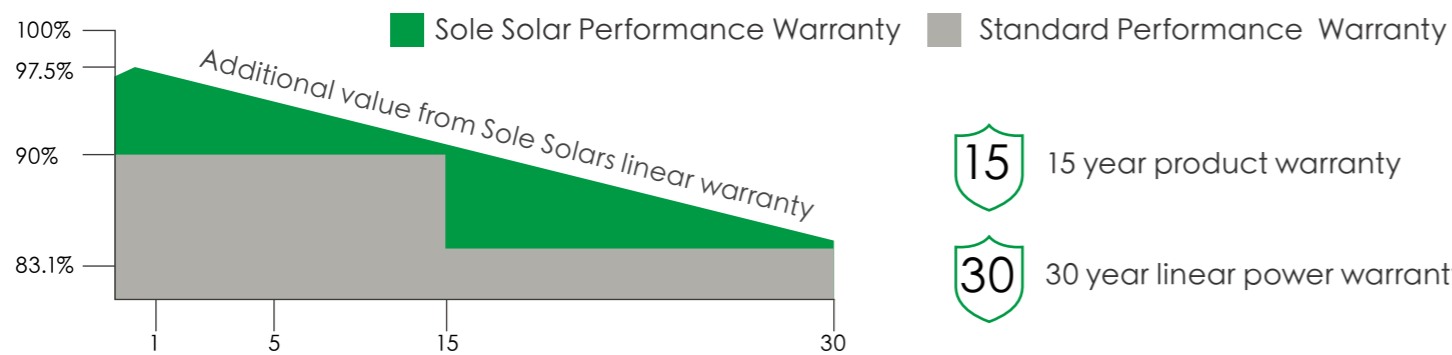
Operating temperature	-40-+85°C
Maximum system voltage	1500VDC
Maximum fuse rated current	25A

### Mechanical Characteristics

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

### Packing Configuration

Container	20GP	40HQ
Pallets per container	10	13
Pieces per container	360	936



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

### CONTACT INFORMATION

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