

AMISO SOLAR

530—555W

solar panel with 110 cells 210MM 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



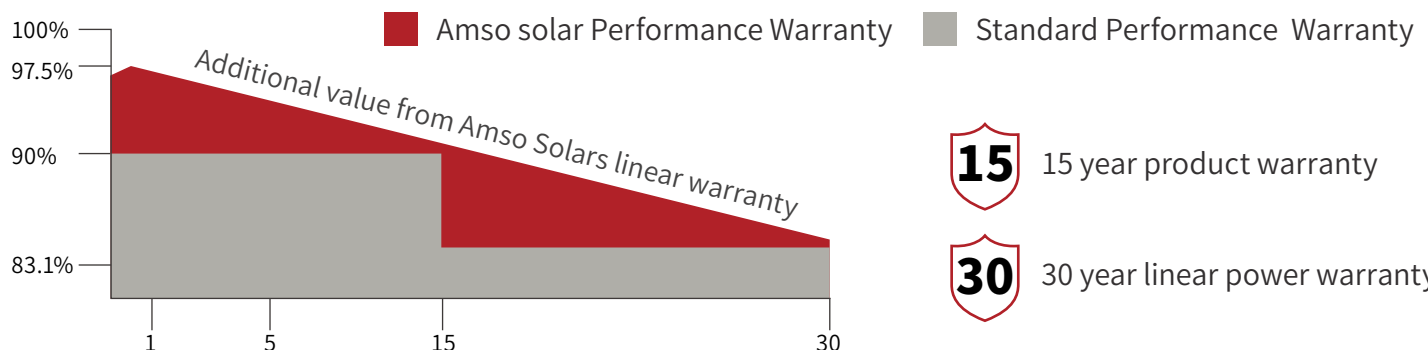
Durability of extreme conditions

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).



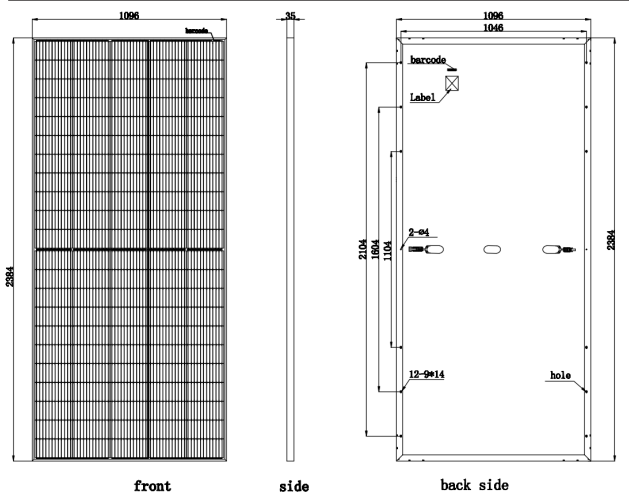
Mono Crystalline Essential Parameter (STC 1000W/M² Cell Temperature 25°C AM=1.5)

Model Type	AS530S9	AS535S9	AS540S9	AS545S9	AS550S9	AS555S9
Power(w)	530	535	540	545	550	555
Number of Cells	110 (5*22)	110 (5*22)	110 (5*22)	110 (5*22)	110 (5*22)	110 (5*22)
Dimensions(MM)	2384*1096*35	2384*1096*35	2384*1096*35	2384*1096*35	2384*1096*35	2384*1096*35
Weight(KG)	28	28	28	28	28	28
Vmp(v)	30.91	31.08	31.24	31.46	31.63	31.79
Imp (A)	17.15	17.22	17.29	17.32	17.39	17.46
Voc(v)	37.51	37.68	37.84	38.01	38.17	38.17
Isc(A)	18.09	18.14	18.18	18.22	18.26	18.38
Module Efficiency	20.3%	20.5%	20.7%	20.9%	21.0%	21.2%

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

Model Type	AS530S9	AS535S9	AS540S9	AS545S9	AS550S9	AS555S9
Power(w)	407.16	411.01	414.85	418.69	422.53	426.37
Number of Cells	110 (5*22)	110 (5*22)	110 (5*22)	110 (5*22)	110 (5*22)	110 (5*22)
Dimensions(MM)	2384*1096*35	2384*1096*35	2384*1096*35	2384*1096*35	2384*1096*35	2384*1096*35
Weight(KG)	28	28	28	28	28	28
Vmp(v)	28.18	28.33	28.48	28.68	28.83	28.98
Imp (A)	14.45	14.51	14.57	14.60	14.66	14.71
Voc(v)	34.64	34.79	34.94	35.05	35.25	35.25
Isc(A)	15.38	15.42	15.45	15.49	15.52	15.62
Module Efficiency	20.3%	20.5%	20.7%	20.9%	21.0%	21.2%

Mechanical Drawings



Mechanical Characteristics

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

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	30A

Packing Configuration

Container	40HQ
Pieces per pallet	20
Pieces per container	620

CONTACT INFORMATION

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