



# HIGH PERFORMANCE MONOCRYSTALLINE PERC MODULE



## ASM110-8-530M-555M

<b>110 CELL</b> Mono PERC Module	<b>530-555Wp</b> Power Output Range
<b>1500VDC</b> Maximum System Voltage	<b>21.2%</b> Maximum Efficiency

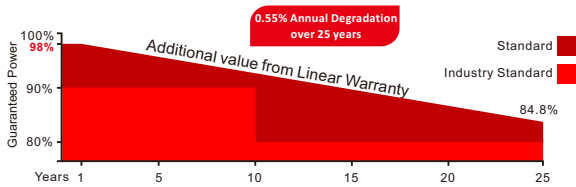
### KEY SALIENT FEATURES

- Global, Tier 1 bankable brand, with independently certified state-of-the-art automated manufacturing
- Industry leading lowest thermal co-efficient of power
- Industry leading 12 years product warranty
- Excellent low irradiance performance
- Excellent PID resistance
- Positive power tolerance of 0~+3%
- Dual stage 100% EL Inspection warranting defect-free product
- Module Imp binning radically reduces string mismatch losses
- Excellent wind load 2400Pa & snow load 5400Pa under certain installation method
- Comprehensive product and system certification
  - ◆ IEC61215:2016; IEC61730-1/-2:2016;
  - ◆ ISO 9001:2015 Quality Management System
  - ◆ ISO 14001:2015 Environmental Management System
  - ◆ ISO 45001:2018 Occupational Health and Safety Management System



### LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty



TEL:+ 86 18861020818

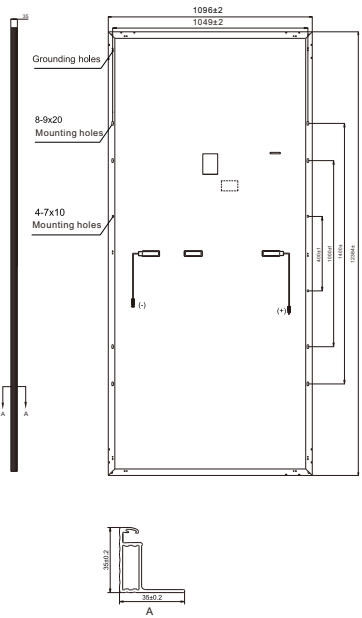
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Jingjiang Alicosolar New Energy Co., Ltd.

### Dimensions of PV Module Unit: mm



### ELECTRICAL DATA (STC)

Model Number	ASM110-8-530M	ASM110-8-535M	ASM110-8-540M	ASM110-8-545M	ASM110-8-550M	ASM110-8-555M
Rated Power in Watts-Pmax(Wp)	530	535	540	545	550	555
Open Circuit Voltage-Voc(V)	37.38	37.58	37.78	38.02	38.	38.
Short Circuit Current-Isc(A)	18.08	18.13	18.18	18.23	2418.	4618.
Maximum Power Voltage-Vmpp(V)	31.06	31.26	31.46	31.66	2831.	3332.
Maximum Power Current-Imp(A)	17.07	17.12	17.17	17.22	8617.	0617.
Module Efficiency (%) ★	20.3	20.5	20.7	20.9	27	32

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. 21.0      21.2  
 ★ Module Efficiency (%): Round-off to the nearest number

### ELECTRICAL DATA (NMOT)

Model Number	ASM110-8-530M	ASM110-8-535M	ASM110-8-540M	ASM110-8-545M	ASM110-8-550M	ASM110-8-555M
Maximum Power-Pmax (Wp)	401.5	405.3	409.0	412.8	416.7	420.5
Open Circuit Voltage-Voc (V)	34.76	34.95	35.14	35.36	35.56	35.77
Short Circuit Current-Isc (A)	14.83	14.87	14.91	14.95	14.99	15.03
Maximum Power Voltage-Vmpp (V)	28.82	29.01	29.19	29.38	29.57	29.75
Maximum Power Current-Imp (A)	13.93	13.97	14.01	14.05	14.09	14.13

NMOT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

### MECHANICAL DATA

Solar cells	Monocrystalline
Cell configuration	110 cells (5×11+5×11)
Module dimensions	2384×1096×35mm
Weight	29kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6005-2T6, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), Positive(+)/350mm, Negative(-)/230mm (Connector Included)
Connector	PV-SY02, IP68

### TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.34%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

### PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	620	124
Number of modules per pallet	31	31
Number of pallets per container	20	4
Packaging box dimensions (LxWxH) in mm	2395×1120×1235	2395×1120×1235
Box gross weight[kg]	945	945

