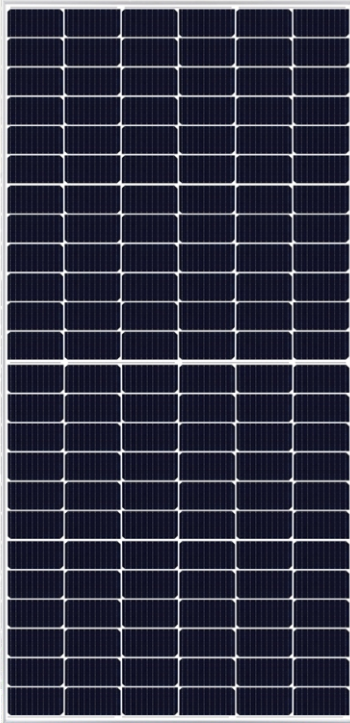




HIGH PERFORMANCE MONOCRYSTALLINE PERC MODULE



ASM144-9-535M-555M

144 CELL Mono PERC Module	535-555Wp Power Output Range
1500VDC Maximum System Voltage	21.5% Maximum Efficiency

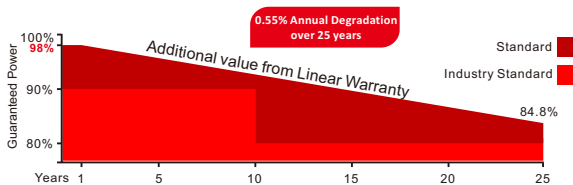
KEY SALIENT FEATURES

- 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

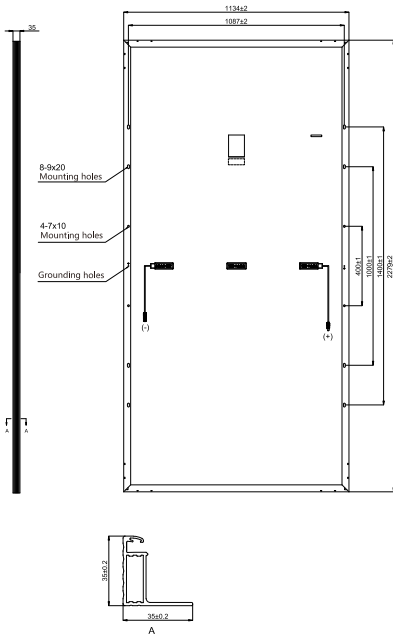
WEB:www.alicosolar.com

E-mail:sales01@alicosolar.com

ADD:No. 11, Fuyang Road, Taizhou, Jingsu, China

Jingjiang Alicosolar New Energy Co., Ltd.

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	ASM144-9-535M	ASM144-9-540M	ASM144-9-545M	ASM144-9-550M	ASM144-9-555M
Rated Power in Watts-Pmax(Wp)	535	540	545	550	555
Open Circuit Voltage-Voc(V)	49.50	49.60	49.70	49.80	49.91
Short Circuit Current-Isc(A)	13.64	13.74	13.84	13.94	14.04
Maximum Power Voltage-Vmpp(V)	41.87	41.99	42.11	42.20	42.29
Maximum Power Current-Impp(A)	12.79	12.87	12.96	13.04	13.13
Module Efficiency (%) *	20.7	20.9	21.1	21.3	21.5

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

* Module Efficiency (%): Round-off to the nearest number

ELECTRICAL DATA (NMOT)

Model Number	ASM144-9-535M	ASM144-9-540M	ASM144-9-545M	ASM144-9-550M	ASM144-9-555M
Maximum Power-Pmax (Wp)	398.5	402.0	405.8	409.4	413.3
Open Circuit Voltage-Voc (V)	46.68	46.77	46.87	46.96	47.07
Short Circuit Current-Isc (A)	11.18	11.27	11.35	11.43	11.51
Maximum Power Voltage-Vmpp (V)	38.70	38.80	38.90	39.00	39.10
Maximum Power Current-Impp (A)	10.30	10.36	10.43	10.50	10.57

NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Monocrystalline
Cell configuration	144 cells (6×12×6×12)
Module dimensions	2279×1134×35mm
Weight	27.8kg
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 ² (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	-0.275%/°C 0
Temperature Coefficient of Isc	.045%/°C
Temperature Coefficient of Pmax	-0.35%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	620	155
Number of modules per pallet	31	31
Number of pallets per container	20	5
Packaging box dimensions (LxWxH) in mm	2320×1130×1260	2320×1130×1260
Box gross weight[kg]	930	930

