

ALEXUS 108 Series

Monocrystalline PERC Half-cell
Full Black Module 390W~410W

ALEXUS SOLAR
8350 S Kyrene Rd, Suite C108, Tempe AZ 85284
www.alexussolar.com | hello@alexussolar.com



Features



- ▲ Higher Output Power
- ▲ Module Efficiency up to 21.0%
- ▲ Lower Temperature Coefficient



- ▲ Lower LCOE (Levelized Cost of Energy)
- ▲ High Power Output Lead to Lower BOS Cost



- ▲ ISO9001:2015 Quality Management System
- ▲ ISO14001:2015 Environmental Management System
- ▲ ISO45001:2018 Occupational Health and Safety Management System



- ▲ Salt Mist Corrosion Protection
- ▲ Ammonia Resistance

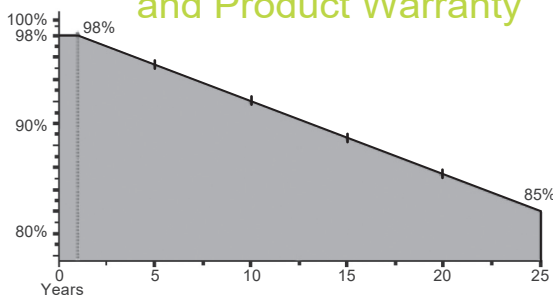


- ▲ Excellent Potential Induced Degradation Resistance



- ▲ Excellent Wind Load 2400Pa & Snow Load 5400Pa Under Certain Installation Method

25 Years Linear Performance and Product Warranty



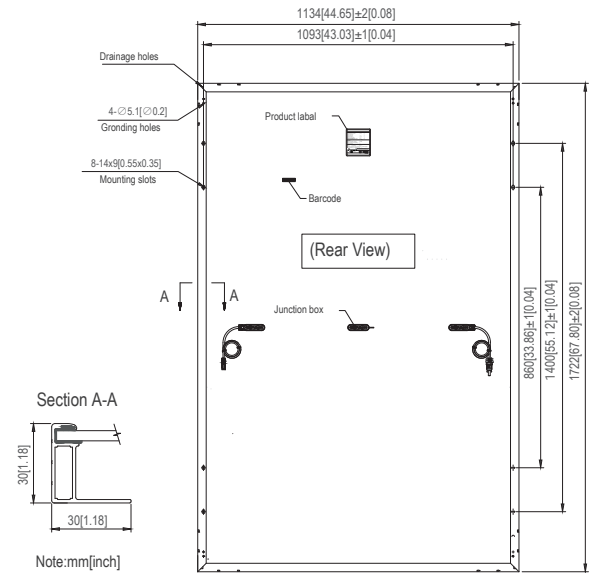
Certifications and Tests

IEC61215; IEC61730; UL61730 (No A-E533316)/ETL/CEC
 IEC62804 PID
 IEC61701 Salt Mist
 IEC62716 Ammonia Resistance
 IEC60068 Dust and Sand
 IEC61215 Hailstone
 Fire Type (UL61730): Type 1



Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182 mm
No. of Cells	108 (6 × 18)
Dimensions	1722 × 1134 × 30 mm (67.8 × 44.6 × 1.2 inches)
Weight	20.9 kg (46.3 lbs)
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0mm ² , 1200 mm (47.2 inches) in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	25 A
Power Tolerance	0/+5 W



Electrical Characteristics

Module Type	ALEX-410-B-54-S		ALEX-405-B-54-S		ALEX-400-B-54-S		ALEX-395-B-54-S		ALEX-390-B-54-S	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	410	309.6	405	306.0	400	302.3	395	298.6	390	294.9
Optimum Operating Voltage (Vmp/V)	31.52	29.2	31.35	29.0	31.18	28.8	30.98	28.6	30.76	28.4
Optimum Operating Current (Imp/A)	13.01	10.62	12.92	10.56	12.83	10.58	12.76	10.44	12.69	10.38
Open Circuit Voltage (Voc/V)	37.55	35.2	37.38	35.0	37.21	34.8	36.84	34.6	36.62	34.4
Short Circuit Current (Isc/A)	13.85	11.16	13.76	11.10	13.67	11.04	13.66	10.98	13.59	10.93
Module Efficiency (%)	21.0		20.7		20.5		20.2		20.0	

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C

Curves

