



SHARK SERIES








Single Glass Bifacial Solar Panel
72 M10 Half Cut Cells (Mono Perc)

TYPE: AS-(550-570)-72IIMB

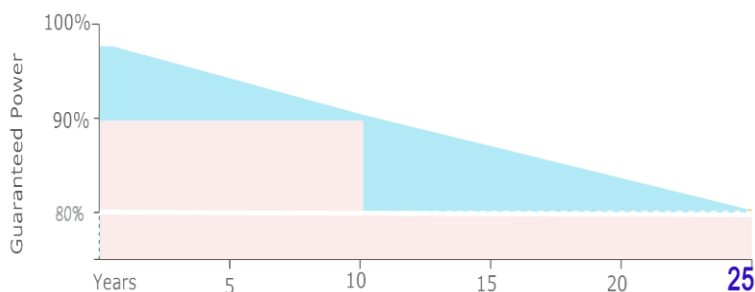
550W-570W

22.06% efficiency

ADVANTAGES & FEATURES

- 
HIGH SAVING
Lower LCOE, reduced BOS cost shorter payback time
- 
HIGH EFFICIENCY
Excellent module conversion efficiency of up to 21.28%
- 
LOW-LIGHT PERFORMANCE
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.
- 
PID RESISTANCE
Excellent Anti-PID performance guarantees Limited power degradation for mass production
- 
IP68 JUNCTION BOX
High waterproof level
- 
BIFACIAL TECHNOLOGY
Up to 30% More Power Output than normal standard PV modules.
Bi-Faciality Factor: $70 \pm 5\%$
- 
PERC AND HALF CUT CELLS
Stable and Lower Temperature coefficient

LINEAR GRAPH



Output Warranty
25 Years

Product Guarantee
12 Years

Power Degradation: < 2% For the First Year
< 0.5% / Year in 2~25 Years

CERTIFICATES

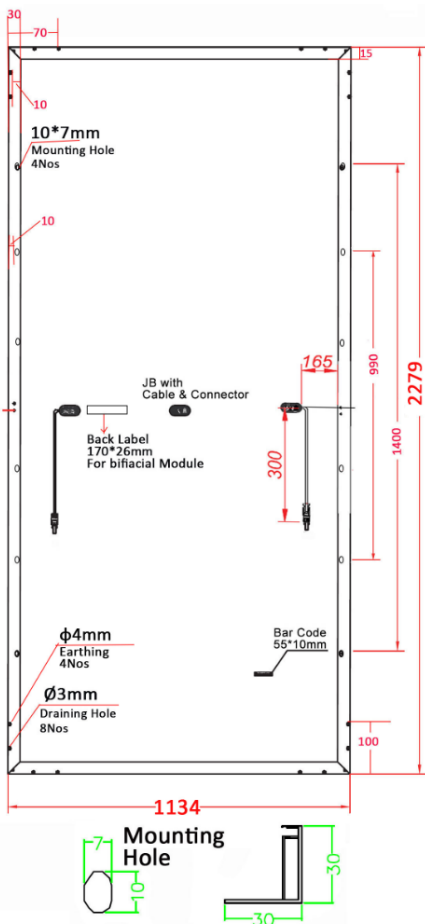


ELECTRICAL CHARACTERISTIC @STC

STC: 1000W/M ² , AM: 1.5, 25°C	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power (Pmax) (W)	550W	417W	555W	421W	560W	425W	565W	428W	570W	432W		
Max. Power Voltage (Vmpp) (V)	42.77	39.90	42.90	40.02	43.04	40.15	43.18	40.28	43.32	40.41		
Max. Power Current (Impp) (A)	12.86	10.45	12.94	10.51	13.01	10.57	13.09	10.63	13.16	10.69		
Open Circuit Voltage (Voc) (V)	49.83	48.10	49.98	48.25	50.15	48.41	50.31	48.56	50.47	48.72		
Short Circuit Current (Isc) (A)	13.57	11.07	13.65	11.13	13.72	11.19	13.80	11.26	13.88	11.32		
Module Efficiency (Eff%)	21.28%		21.48%		21.67%		21.86%		22.06%			

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5 *Measurement Tolerance (±3.0%)
 *NOCT (Nominal Module Operating Temperature): Irradiance 800W/ m², Ambient Temperature 20°C, Wind Speed 1m/s.

DRAWING (IN MM)



TEMPERATURE COEFFICIENTS

Temp Coefficients of Pm	-0.360%/°C	Max. System Voltage	1500VDC IEC
Temp Coefficients of Voc	-0.280%/°C	Operating Temp	-40°C to +85°C
Temp Coefficients of Isc	+0.05%/°C	Noct	45°C±2 °C

MAX. LIMITS

MECHANICAL CHARACTERISTICS

Cell Technology and size	Mono Perc 10BB, 182mmx91mm
Number of Cells (pcs)	144 Pcs Half Cut of M10 (72*2)
Dimensions	2279x1134x30mm
Glass / Front Cover	3.2mm, High Transmission AR coated Safe Glass
Encapsulation	0.55mm,PID free EVA film, UV CUT & UV THROUGH
Rear Cover	0.32mm Transparent Back Sheet of High Light Transmission
Weight	27.2kgs
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Certified,3 Bypass diodes, split junction box
Cables & Connectors	4mm ² 12AWG, Length 300mm, MC4 compatible Connectors
Allowable Hail Load	227g steel ball dropped from 1m height
Surface Load	Snow Load 5400pa, Wind Load 2400pa
Series Fuse Rating:	30A
Application Class:	A
Fire Rating Class:	C

PACKAGING CONFIGURATION

Modules per Pallet:	37pcs	Modules per 40HQ Container:	740pcs
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IV CURVES

