

LINKING THE WORLD TO
THE FUTURE OF SOLAR

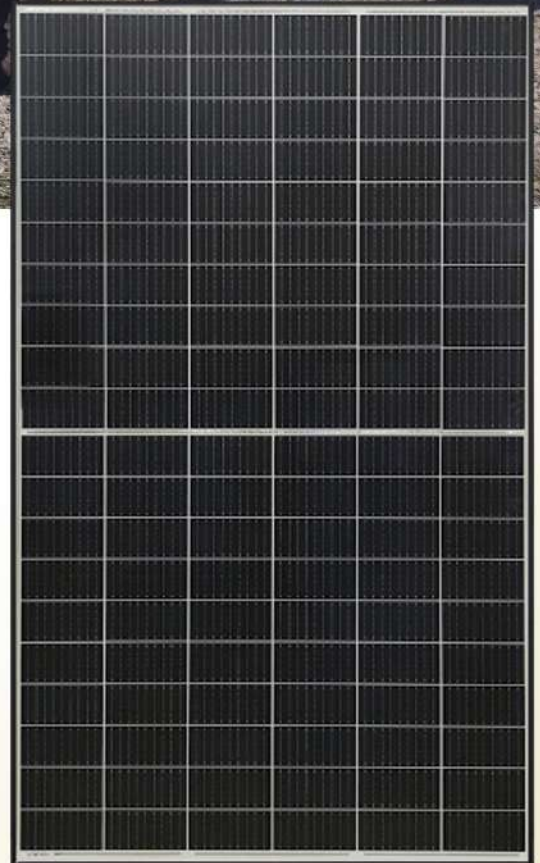


NEW MERCURY 120M Half Cell Series 315 - 340W

A NEW BREED OF MONOCRYSTALLINE CELLS

Link Energy never stops to innovate and use up-to-date solar technologies that will enhance the quality and performance of each monocrystalline cell.

Next to our Pluto and Jupiter Series is the NEW BREED of monocrystalline cells – MERCURY SERIES.

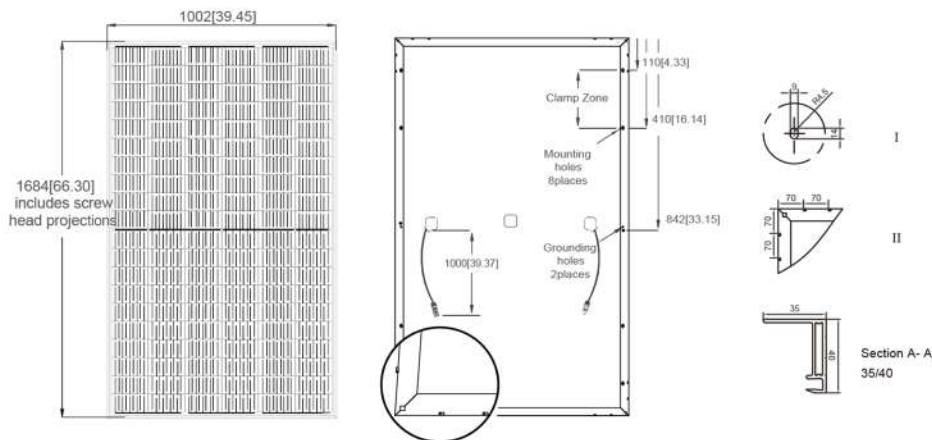


FEATURES

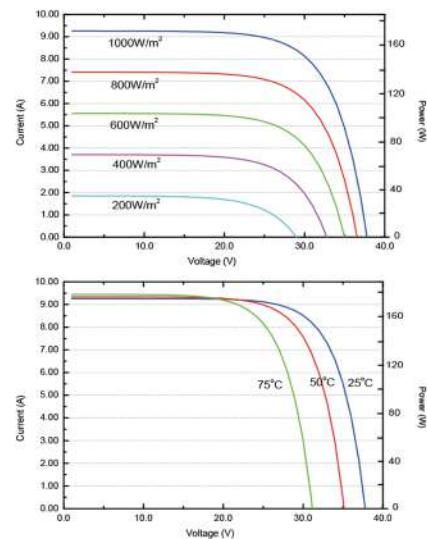
- Certified to withstand 2400pa wind load and 5400pa snow load
- High Efficiency 9BB Monocrystalline PERC Technology
- Half Cell Layout Reduce Power Loss from Shading
- 35mm Anodized Aluminum Alloy Frame
- Self-Clean Glass Surface (at min. 10-degree pitch)
- TUV SUD Certified IP68 Junction Box



MECHANICAL DETAILS



I-V CURVES



ELECTRICAL DATA

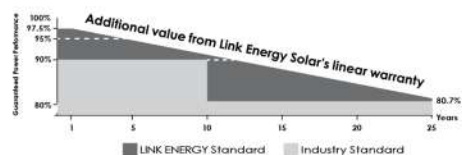
MODEL (MERCURY120M-xxxM)	315W	320W	325W	330W	335W	340W
Max Power Output- P_{MAX} (Wp)	315	320	325	330	335	340
Power Output Tolerance- P_{MAX} (W)	±3%					
Maximum Power Voltage- V_{MPP} (V)	33.51	33.68	33.85	34.02	34.08	35.42
Maximum Power Current- I_{MPP} (A)	9.92	9.40	9.50	9.70	9.55	9.60
Open Circuit Voltage- V_{OC} (A)	39.80	40.00	40.10	40.30	41.40	41.95
Short Circuit Current- I_{sc} (A)	10.00	10.10	10.20	10.30	10.10	10.15
Short Circuit Current Tolerance	±4%					
Open Circuit Voltage Tolerance	±3%					
Module Efficiency η_m (%)	18.67%	18.96%	19.26%	19.56%	19.85%	20.15%

*STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.

MECHANICAL DATA

Solar Cells	Monocrystalline 158.75 x 158.75mm (60 Split Cells-9BB)
Cell Orientation	120 Cells (6 x 20)
Module Dimensions	1684 x 1002 x 35 mm
Weight	21kg
Glass	Tempered Glass, Low Iron, Thickness: 3.2(mm)
Designed Mechanical Load & Safety Factor	Positive: 3600Pa, 1.5 (Snow) Negative: 1600Pa, 1.5 (Wind)
Frame	Anodized Aluminium 6063 Alloy (Black)
Backsheet	White
J-Box	IP68
Cables	Product Brand: Ningbo Shihe New Energy Technology Co, Ltd Product Model: H1Z2Z2-K, 1 x 4.0mm ; 1500V DC, -40 to +90
Connector	Product Brand: Ningbo Shihe New Energy Technology Co., Ltd. Product Model: DJ2011-4b IP68 1500V DC 30A

LINEAR PERFORMANCE WARRANTY



10 years Product Warranty
15 years Product Warranty (Rooftop Application Only)
25 years Linear Performance Warranty

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V (TUV)
Max Series Fuse Rating	15A

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (T_{NOCT})	45°C(±2°C)
Temperature Coefficient of P_{MAX}	-0.42%/°C
Temperature Coefficient of V_{OC}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.04%/°C

Certificate Holder:



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powerarksolar.com.au

MADE IN CHINA