LINKING THE WORLD TO
THE FUTURE OF SOLAR

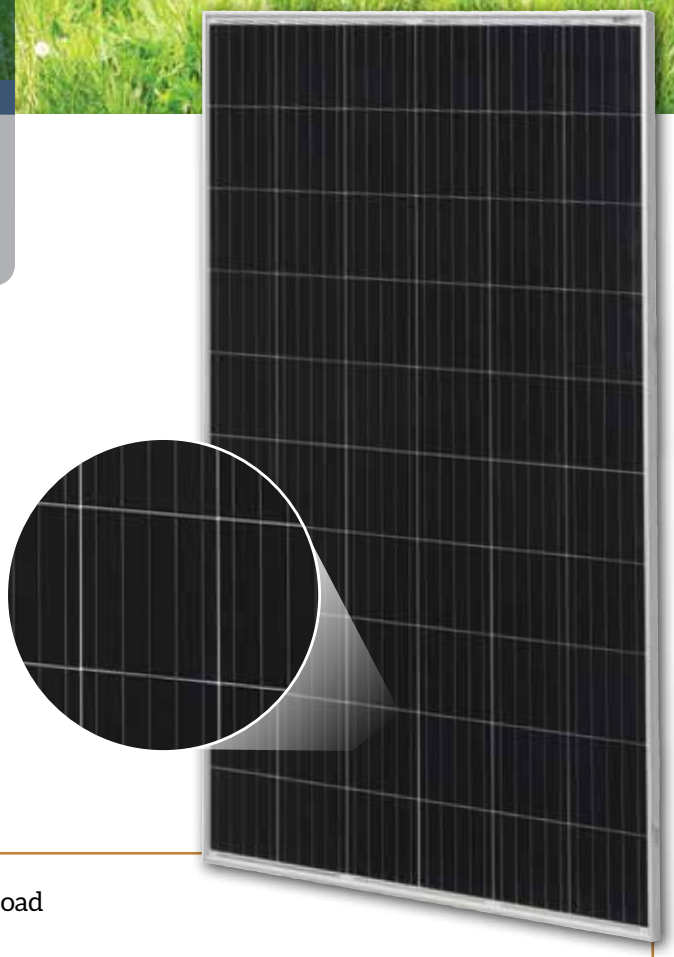
link energy

NEW
JUPITER SERIES
280 - 305W

ALL NEW & IMPROVED
MONOCRYSTALLINE CELLS

With the first Monocrystalline power plant being built 30 years ago, and continuing to run to date, this is why we are an advocate of monocrystalline solar technology.

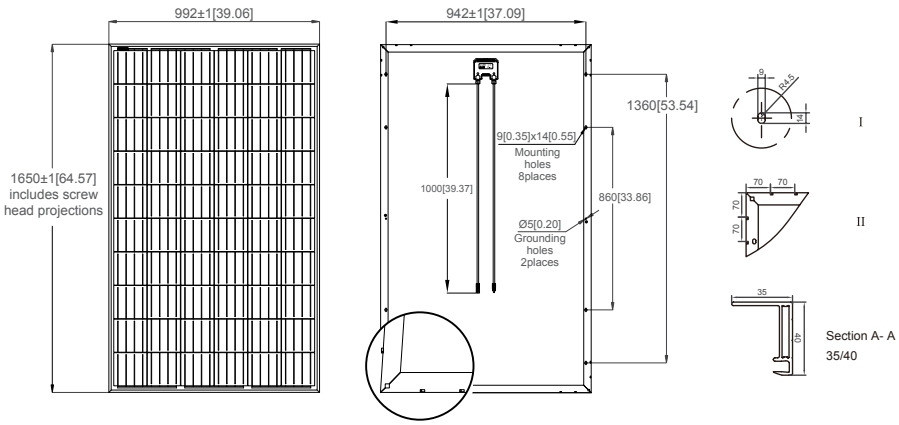
Link Energy selected Monocrystalline as its primary product due to its longevity effectiveness and better return of investment.



FEATURES

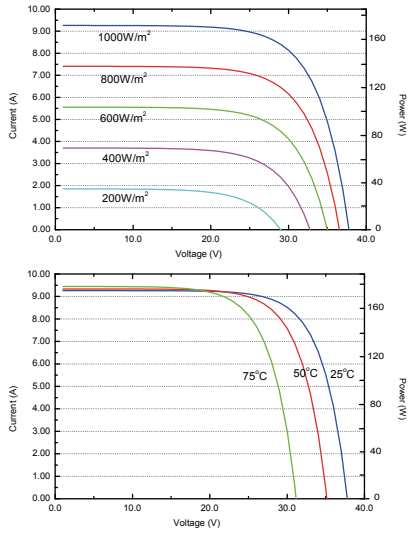
- Certified to withstand 2400pa wind load and 5400pa snow load
- Outstanding Low Light Performance with 5BB Mono Cells
- 35mm Anodized Aluminum Alloy Frame
- Self-Clean Glass Surface (at min. 10-degree pitch)
- TUV SUD Certified IP68 Junction Box

MECHANICAL DETAILS



Dimensions in brackets are in inches.
Un-bracketed dimensions are in millimeters.
Unit: mm[in.]

I-V CURVES



ELECTRICAL DATA (STC)

MODEL (JUPITER60-156M-XXXX)	280W	285W	290W	295W	300W
Max Power Output-P_{MAX} (Wp)	280	285	290	295	300
Power Output Tolerance-P_{MAX} (W)			±3%		
Maximum Power Voltage-V_{MPP} (V)	32.20	32.00	32.40	32.53	32.65
Maximum Power Current-I_{MPP} (A)	8.70	8.91	8.95	9.07	9.19
Open Circuit Voltage-V_{OC} (A)	39.13	39.50	39.33	39.78	39.77
Short Circuit Current-I_{SC} (A)	8.82	9.46	9.55	9.65	9.74
Short Circuit Current Tolerance			±2%		
Open Circuit Voltage Tolerance			±4%		
Module Efficiency ηm (%)	17.11%	17.41%	17.72%	18.02%	18.33%

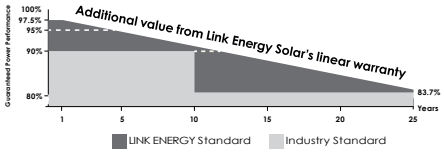
*STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.

MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 x 156.75 mm (+/- 2mm)
Module Dimensions	60 cells (6 x 10)
Cell Orientation	1650 x 992 x 35mm
Weight	17.5kg
Glass	Tempered Glass, Thickness: 3.2(mm)
Designed Mechanical Load & Safety Factor	Positive: 3600Pa, 1.5 (Snow) Negative: 1600Pa, 1.5 (Wind)
Frame	Silver
Backsheet	White
J-Box	IP68
Cables	Product Brand: Ningbo Shihe New Energy Technology Co, Ltd / Wuxi Vlead Photoelectric 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: DJ2011-4 IP68 1500V DC 30A

LINEAR PERFORMANCE WARRANTY

Linear Performance Warranty



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

TEMPERATURE RATINGS	
Nominal Operating Cell Temperature (NOCT)	44°C(± 2°C)
Temperature Coefficient of P_{MAX}	- 0.39%/°C
Temperature Coefficient of V_{OC}	- 0.29%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

Certificate Holder:

POWERARK SOLAR PTY LTD

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MADE IN CHINA