

LINKING THE WORLD TO
THE FUTURE OF SOLAR



NEW PLUTO SERIES

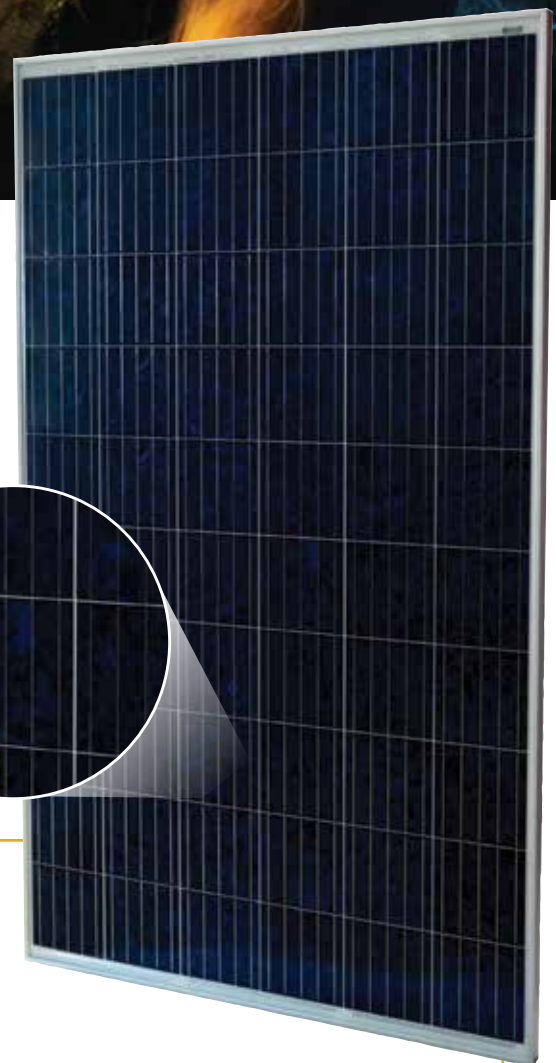
270-285W

LAUNCH INTO THE CRYSTAL RANGE

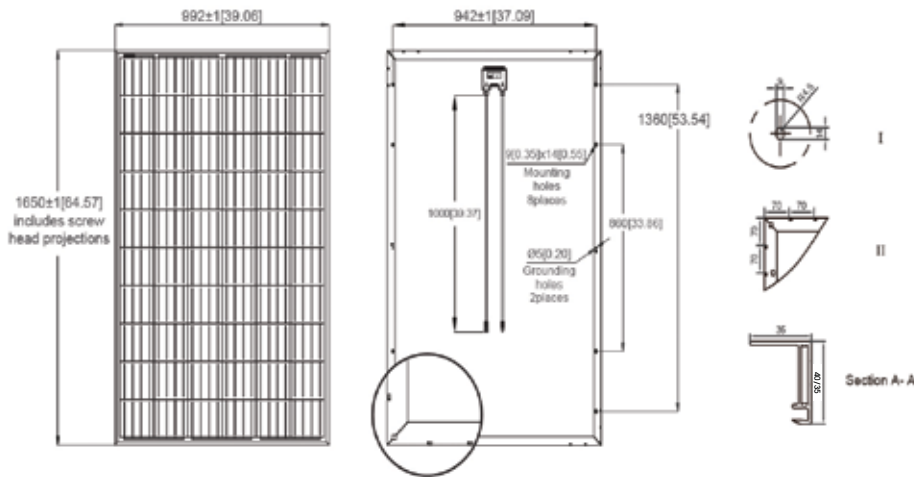
Welcome to the new era of Link Energy crystal panels. This new and innovative range is Link Energy's best panel yet. With a unique and aesthetic crystal pattern, this higher efficiency panel will not let you down thanks to the improved high-performance Poly Cells.

FEATURES

- Purposely Designed Crystal Pattern
- Aesthetic Appearance
- High Performance Poly Cells
- 5BB to Suit Low Light Conditions
- 35mm Anodized Aluminium Alloy Frame
- Self-Clean Glass Surface (at min. 10-degree pitch)
- IP67 Junction Box

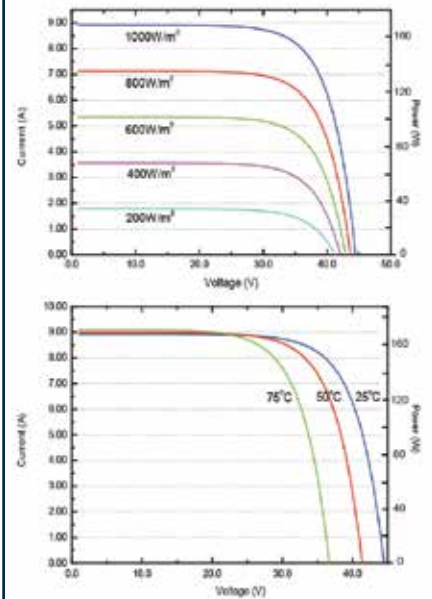


MECHANICAL DETAILS



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

I-V CURVES



ELECTRICAL DATA

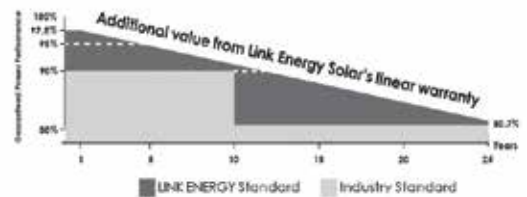
ELECTRICAL DATA (STC*)	Pluto60-156P			
Max Power Output-P _{MAX} (Wp)	270	275	280	285
Power Output Tolerance-P _{MAX} (W)	±3%			
Maximum Power Voltage-V _{MPP} (V)	32.70	32.83	32.98	33.11
Maximum Power Current-I _{MPP} (A)	8.28	8.38	8.49	8.61
Open Circuit Voltage-V _{OC} (A)	38.40	38.62	38.81	39.98
Short Circuit Current-I _{SC} (A)	8.82	8.98	8.67	8.73
Short Circuit Current Tolerance	±2%			
Open Circuit Voltage Tolerance	±4%			
Module Efficiency η _m (%)	16.50%	16.80%	17.11%	17.41%

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

MECHANICAL DATA

Solar Cells	Polycrystalline 156 x 156 mm (6 inches)
Module Dimensions	60 cells (6 x 10)
Cell Orientation	1650 x 992 x 40/35mm (65.0 x 39.1 x 1.6 inches)
Weight	18.5kg / 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	IP67
Cables	Product Brand: Ningbo Shihe New Energy Technology Co, Ltd / Wuxi Vlead Photoelectric Technology Co., Ltd. Product Model: H1Z22-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



10 Years Product Warranty
25 Years 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:



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