



60MBLK HOME PV

60-CELL MONOCRYSTALLINE HOME PV



320 Wp

MAX POWER OUTPUT

19.42%

MAX EFFICIENCY

10 YEAR

PRODUCT WARRANTY

25 YEAR

LINEAR PERFORMANCE GUARANTEE



PROUDLY MADE IN MOUNTAIN IRON, MN



AVAILABLE IN 1000V OR 1500V SYSTEM VOLTAGE RATING



MANUFACTURED FOLLOWING INTERNATIONAL QUALITY SYSTEM STANDARDS: ISO9001



H-BLACK INTEGRATION - BLACK FRAME & BACKSHEET

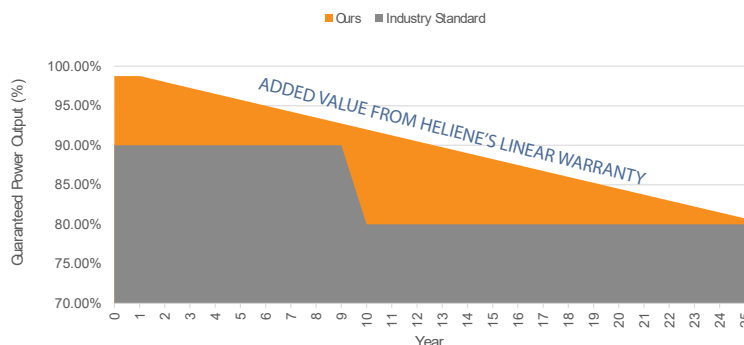
HELIENE IS A PREMIER SOLAR MODULE MANUFACTURER, SERVICING THE GROWING SOLAR ENERGY MARKETS OF NORTH AMERICA.

COMBINING PROVEN EUROPEAN TECHNOLOGY WITH NORTH AMERICAN INGENUITY ALLOWS HELIENE TO MAKE A REAL COMMITMENT IN PROVIDING SMARTER ENERGY CHOICES FOR THE FUTURE.

HELIENE
www.heliene.com

LINEAR PERFORMANCE GUARANTEE

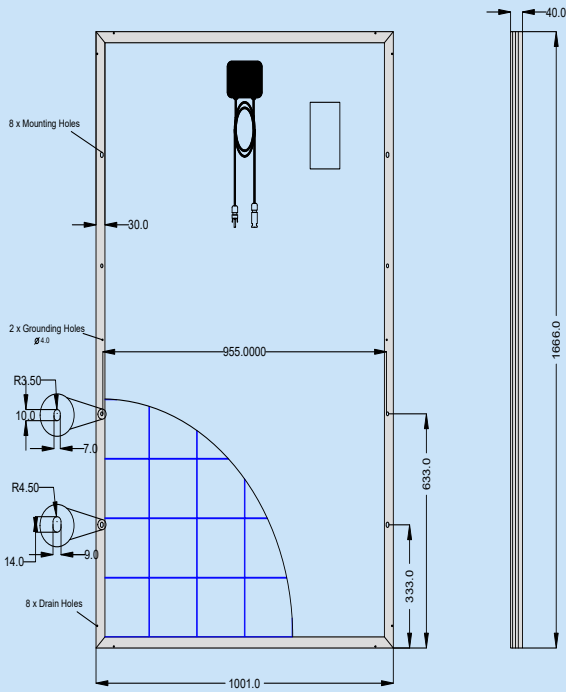
10 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE



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DIMENSIONS FOR 60M HOME PV SERIES



ELECTRICAL DATA (STC)

Peak Rated Power	P_{mpp} (W)	320
Maximum Power Voltage	V_{mpp} (V)	33.90
Maximum Power Current	I_{mpp} (A)	9.45
Open Circuit Voltage	V_{oc} (V)	40.50
Short Circuit Current	I_{sc} (A)	10.20
Module Efficiency *	Eff (%)	19.42
Maximum Series Fuse Rating	MF (A)	20
Power Output Tolerance		[-3%,+3%]

STC - Standard Test Conditions: Irradiation 1000 W/m² - Air mass AM 1.5 - Cell temperature 25 °C
 * Calculated using maximum power based on full positive output tolerance [-0, +4.99] Wp

MECHANICAL DATA

Dimensions (L x W x D)	1666 x 1001 x 40 mm (65.5 x 39.4 x 1.6 inch)
Weight*	22kg (48.5 lbs)
Output Cables	1.0 m (39.4 inch) symmetrical cables with MC4 type connectors
Junction Box	IP-67 rated with bypass diodes
Frame	Double webbed 15 micron anodized aluminum alloy
Front Glass	Low-iron content, high-transmission PV solar glass
Solar Cells	60 Monocrystalline cells (158.75 x 158.75 mm)

* Calculated using 3.2mm PV glass, if 4mm profile is requested weight load will vary

CERTIFICATIONS

UL Certification	ULC/ORD-C1703-1, UL1703
IEC Certification	Optional

All Heliene modules are certified under the California Energy Commission (CEC) Listing Report

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	+45°C (±2°C)
Temperature Coefficient of P_{max}	-0.38%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	0.04%/°C

PACKAGING CONFIGURATION

Modules per box:	26 pieces
Modules per 53' trailer:	936 pieces

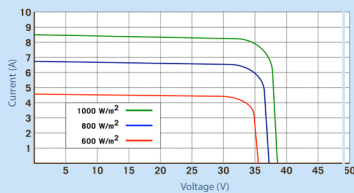
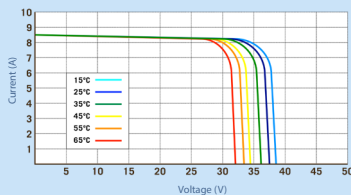
MAXIMUM RATINGS

Operational Temperature	-40°C - +85°C
Max System Voltage	1000V (*1500V) *Optional

WARRANTY

10 Year Manufacturer's Workmanship Warranty
25 Year Linear Power Guarantee
(Refer to product warranty page for details)

I-V CURVE FOR HELIENE 60M HOME PV SERIES



CERTIFICATIONS



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
 Specifications included in this datasheet are subject to change without notice.