

MONO

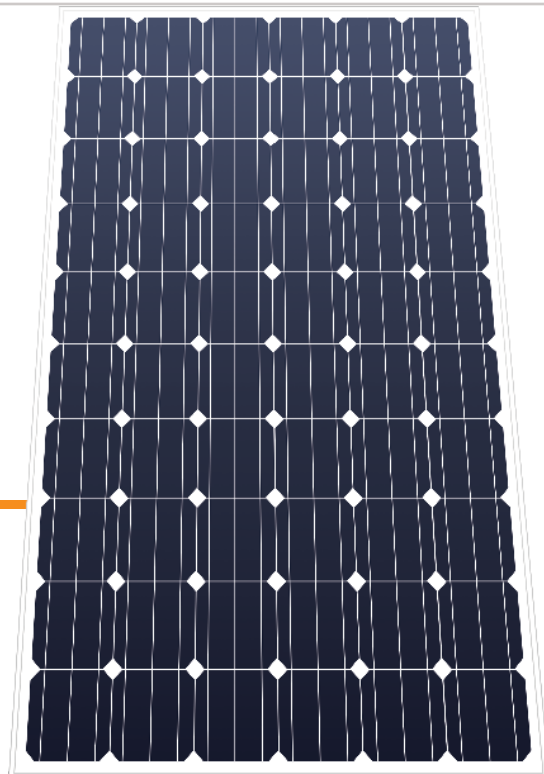
POLY



**HELIENE**

# 60M HOME PV

60-CELL MONOCRYSTALLINE MODULE



## 315 Wp

MAX POWER OUTPUT

## 19.1%

MAX EFFICIENCY

## 10 YEAR

PRODUCT WARRANTY

## 25 YEAR

LINEAR PERFORMANCE GUARANTEE

HELIENE INC. 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](http://www.heliene.com)



GUARANTEED POSITIVE POWER SORTING: [-0 : +4.99 WP]



AVAILABLE IN 1000V OR 1500V SYSTEM VOLTAGE RATING



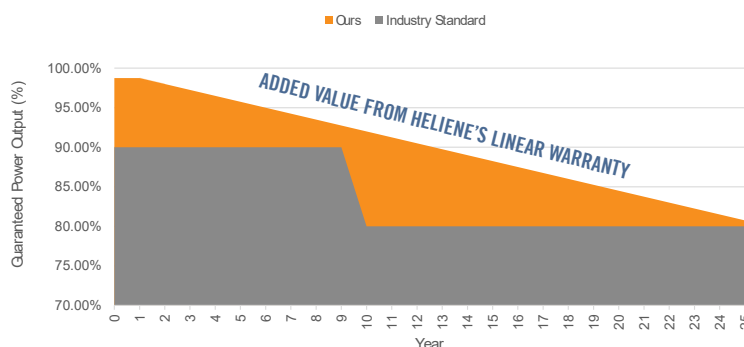
MANUFACTURED FOLLOWING INTERNATIONAL QUALITY SYSTEM STANDARDS: ISO9001



H-BLACK INTEGRATION AVAILABLE (ALL-BLACK MODULE)

## LINEAR PERFORMANCE GUARANTEE

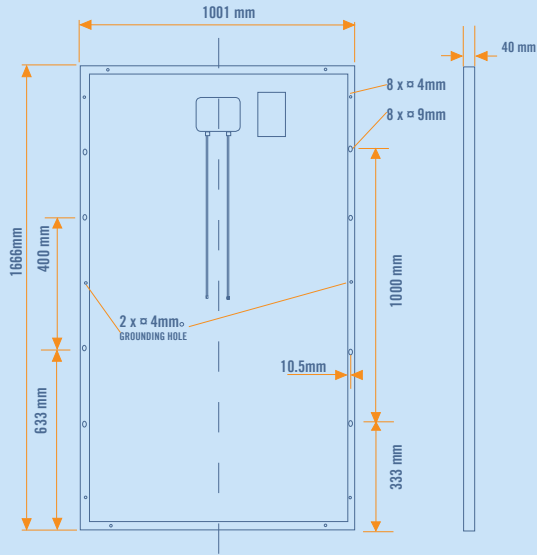
10 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE



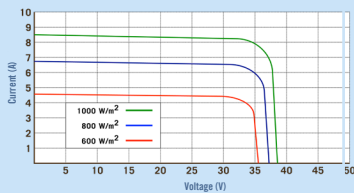
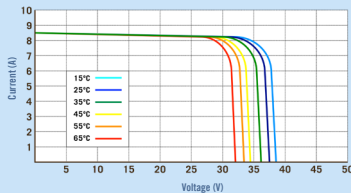
# 60M HOME PV

## 60-CELL MONOCRYSTALLINE HOME PV

### DIMENSIONS FOR 60M HOME PV SERIES



### I-V CURVE FOR HELIENE 60M HOME PV SERIES



### CERTIFICATIONS



### ELECTRICAL DATA (STC)

Peak Rated Power	$P_{mpp}$ (W)	315	310	305	300
Maximum Power Voltage	$V_{mpp}$ (V)	33.44	33.90	33.44	33.40
Maximum Power Current	$I_{mpp}$ (A)	9.66	9.58	9.20	9.13
Open Circuit Voltage	$V_{oc}$ (V)	40.13	39.89	39.98	39.83
Short Circuit Current	$I_{sc}$ (A)	10.22	10.11	9.68	9.59
Module Efficiency *	Eff (%)	19.09	18.78	18.48	18.18
Maximum Series Fuse Rating	MF (A)	20	20	20	15
Power Output Tolerance		[- 0 , + 4.99] Wp			

STC - Standard Test Conditions: Irradiation 1000 W/m<sup>2</sup> - 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*	22 kg (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 (159 x 159 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 $V_{oc}$	-0.36%/°C
Temperature Coefficient of $I_{sc}$	0.07%/°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)

HELIENE60M\_HOME\_PV-Rev.01



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