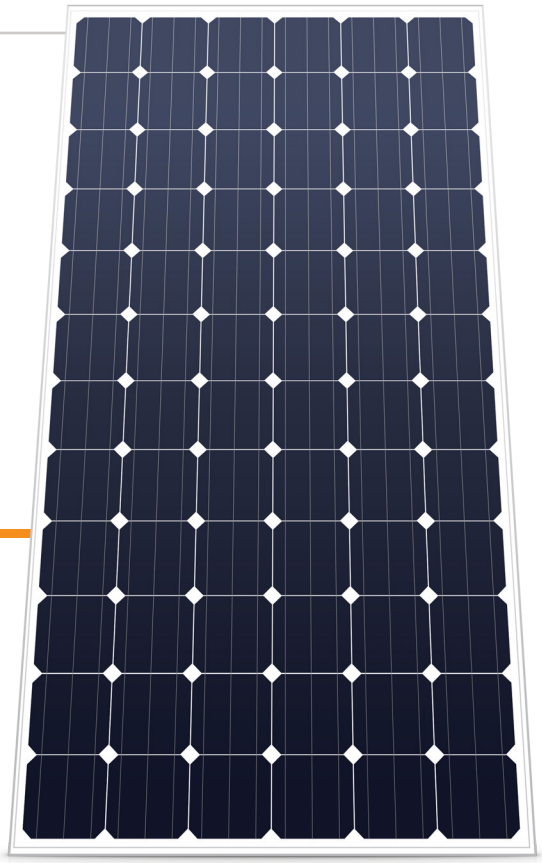
MONO POLY

HELIENE

72M

72-CELL MONOCRYSTALLINE MODULE



350 Wp
MAX POWER OUTPUT

18.3%
MAX EFFICIENCY

10 YEAR
PRODUCT WARRANTY

25 YEAR
LINEAR PERFORMANCE GUARANTEE

MADE WITH PRIDE IN North America BUY LOCAL

- GUARANTEED POSITIVE POWER SORTING: [-0 : +4.99 WP]
- DESIGNED FOR 1500V DC APPLICATIONS
- MANUFACTURED ACCORDING TO INTERNATIONAL QUALITY SYSTEM STANDARDS: ISO9001
- H-BLACK INTEGRATION AVAILABLE (ALL-BLACK MODULE)

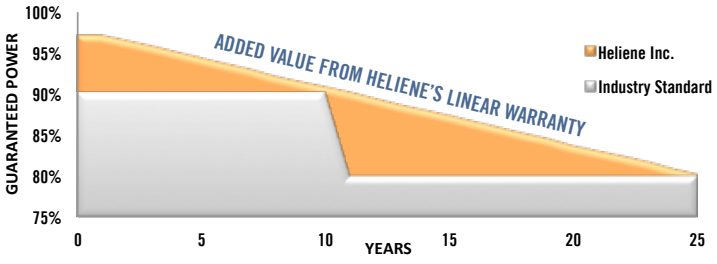
HELIENE INC. IS A PREMIER SOLAR MODULE MANUFACTURER, SERVICING THE GROWING SOLAR ENERGY MARKETS OF NORTH AMERICA.

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

Heliene Inc.
www.heliene.com

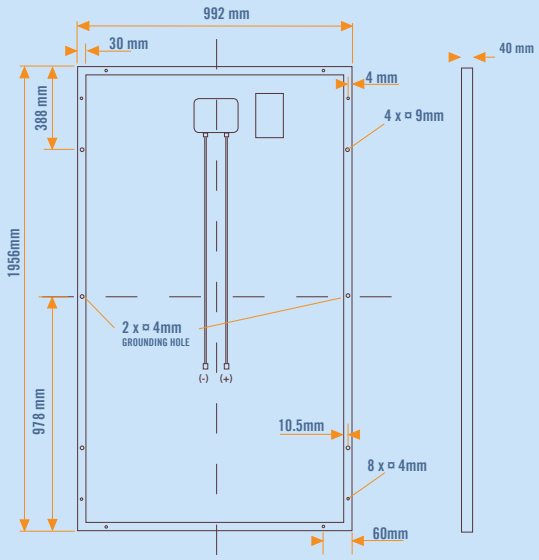
LINEAR PERFORMANCE GUARANTEE

10 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE

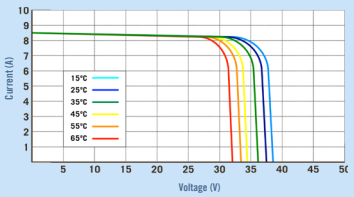


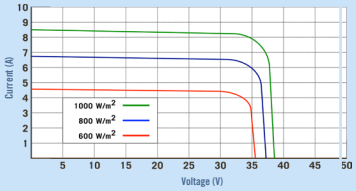
72M

DIMENSIONS FOR HELIENE 72M SERIES MODULES



I-V CURVE FOR HELIENE 72M SERIES





CERTIFICATIONS

ELECTRICAL DATA (STC)

Peak Rated Power	P_{mpp} (W)	350	345	340	335	330
Maximum Power Voltage	V_{mpp} (V)	39.13	38.84	38.50	38.21	37.96
Maximum Power Current	I_{mpp} (A)	9.01	8.95	8.89	8.83	8.76
Open Circuit Voltage	V_{oc} (V)	47.57	47.26	46.95	46.64	46.31
Short Circuit Current	Isc (A)	9.65	9.57	9.49	9.41	9.34
Module Efficiency *	Eff (%)	18.3	18.0	17.8	17.5	17.3
Power Output Tolerance	[- 0 , + 4.99] Wp					

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

MECHANICAL DATA

Dimensions (L x W x D)	1956 x 992 x 40 mm (77 x 39 x 1.6 inch)
Weight	21 kg (46.3 lbs)
Output Cables	1.1 m (43.3 inch) symmetrical cables with MC4 type connectors
Junction Box	IP-67 rated with 3 bypass diodes (IP-67 Available upon request)
Frame	Double webbed 15 micron anodized aluminum alloy
Front Glass	Low-iron content, high-transmission PV solar glass
Solar Cells	72 Monocrystalline cells (156 x 156 mm)

CERTIFICATIONS

UL Listed	ULC/ORD-C1703-1 , UL1703, UL1703 Fire Classification Type 1
IEC Listed	IEC 61215, IEC 61730

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

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	+45°C (±2°C)
Temperature Coefficient of P_{max}	-0.39%/°C
Temperature Coefficient of V_{oc}	-0.31%/°C
Temperature Coefficient of I_{sc}	0.045%/°C

PACKAGING CONFIGURATION

Modules per box:	25 pieces
Modules per 53' trailer:	750 pieces

MAXIMUM RATINGS

Operational Temperature	-40°C - +85°C
Max System Voltage	1500V (UL / IEC)
Max Series Fuse Rating	15 A

WARRANTY

10 Year Manufacturer's Workmanship Warranty

25 Year Linear Power Guarantee

(Refer to product warranty page for details)

HELIENE72M_IFD_1606_1500V

HELIENE

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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