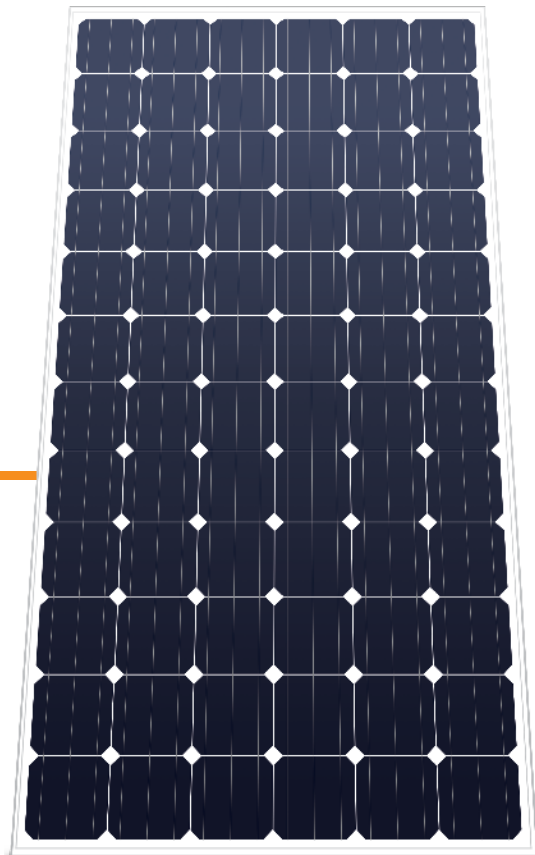




72^MG1

72-CELL G1 MONOCRYSTALLINE



400 Wp

MAX POWER OUTPUT

20.47%

MAX EFFICIENCY

10 YEAR

PRODUCT WARRANTY

25 YEAR

LINEAR PERFORMANCE
GUARANTEE

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



HIGHER POWER OUTPUT USING N-TYPE CELLS
ALMOST ZERO LID



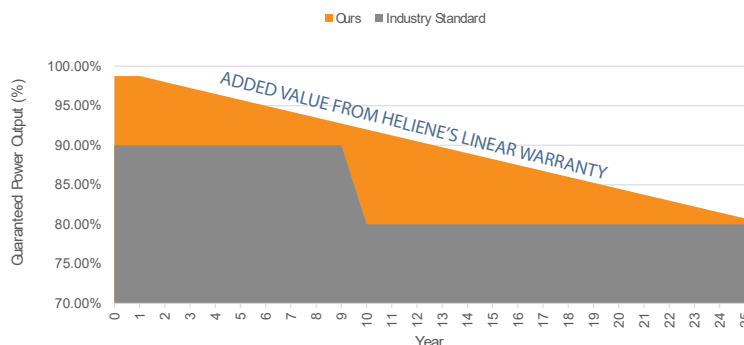
AVAILABLE IN 1000V OR 1500V SYSTEM VOLTAGE
RATING



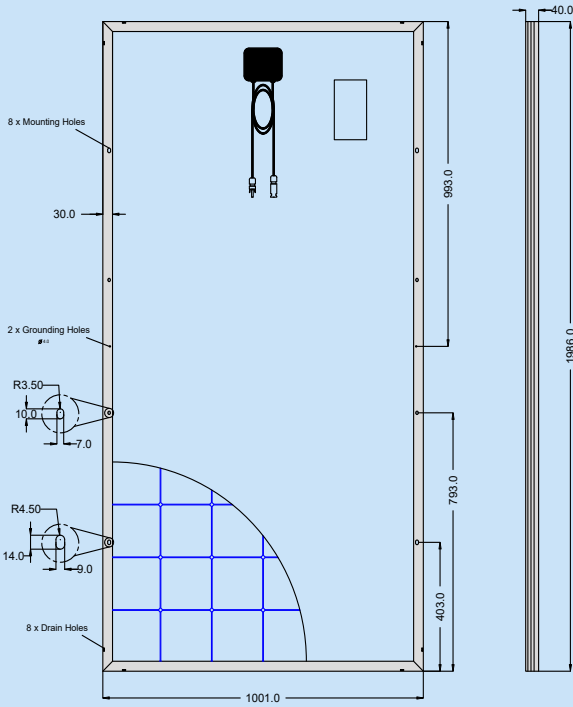
QUALITY MANAGEMENT SYSTEM FOLLOWING
INTERNATIONAL STANDARD: ISO9001

LINEAR PERFORMANCE GUARANTEE

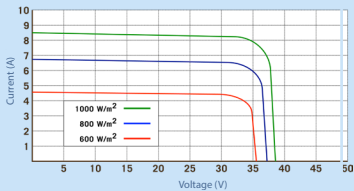
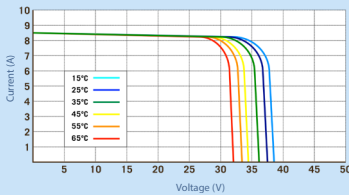
10 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE



DIMENSIONS FOR HELIENE 72M SERIES MODULES



I-V CURVE FOR HELIENE 72M SERIES



CERTIFICATIONS



ELECTRICAL DATA (STC)

Peak Rated Power	P_{mpp} (W)	400
Maximum Power Voltage	V_{mpp} (V)	43.21
Maximum Power Current	I_{mpp} (A)	9.27
Open Circuit Voltage	V_{oc} (V)	50.69
Short Circuit Current	I_{sc} (A)	10.46
Module Efficiency *	Eff (%)	20.47
Maximum Series Fuse Rating	MF (A)	20
Power Output Tolerance		[-2/+2 %]

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 [-2/+2 %]

MECHANICAL DATA

Dimensions (L x W x D)	1986 x 1001 x 40 mm (78.2 x 39.4 x 1.6 inch)
Weight	23.5 kg (51.81lbs)
Output Cables	1.2 m (47.2 inch) symmetrical cables with MC4 type connectors
Junction Box	IP-67 rated with 3 bypass diodes
Frame	Double webbed 15 micron anodized aluminum alloy
Front Glass	Low-iron content, high-transmission PV solar glass
Solar Cells	72 Monocrystalline cells (158.75 x 158.75mm)

CERTIFICATIONS

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

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}	-0.36%/°C
Temperature Coefficient of V_{oc}	-0.33%/°C
Temperature Coefficient of I_{sc}	0.06%/°C

PACKAGING CONFIGURATION

Modules per box:	26 pieces
Modules per 53' trailer:	780 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)