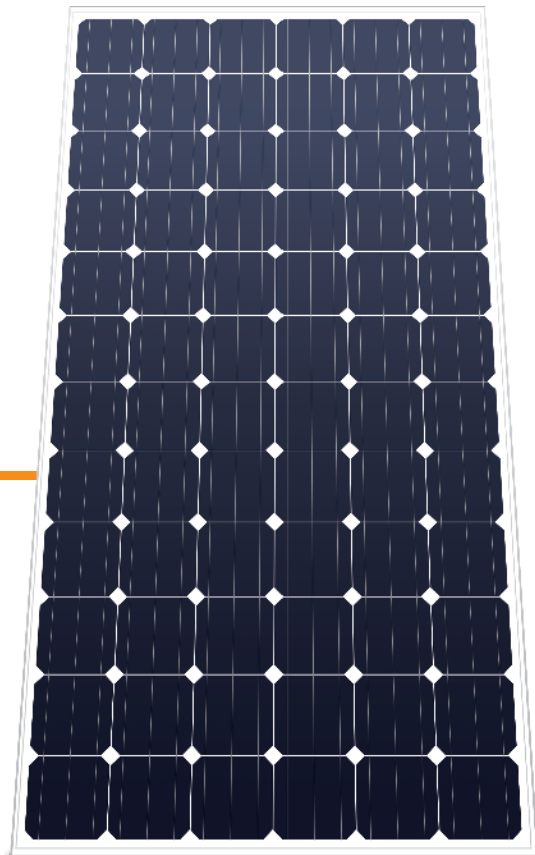




# 72<sup>M</sup>G1

72-CELL G1 MONOCRYSTALLINE



## 405 Wp

MAX POWER OUTPUT

## 20.38%

MAX EFFICIENCY

## 15 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](http://www.heliene.com)



HIGH MODULE CONVERSION EFFICIENCY UP TO 20.38% BY USING PERC MONO CELLS



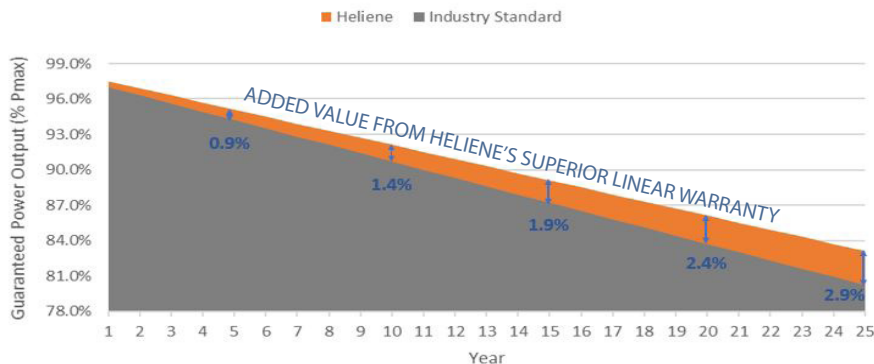
AVAILABLE IN 1000V OR 1500V SYSTEM VOLTAGE RATING



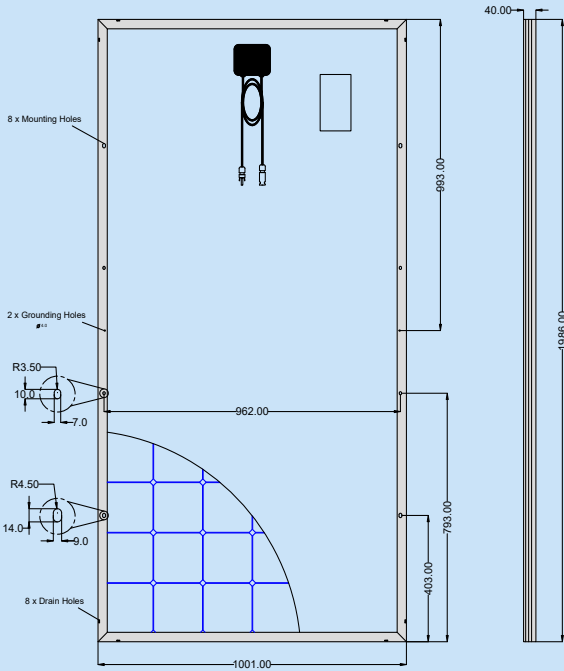
QUALITY MANAGEMENT SYSTEM FOLLOWING INTERNATIONAL STANDARD: ISO9001

### LINEAR PERFORMANCE GUARANTEE

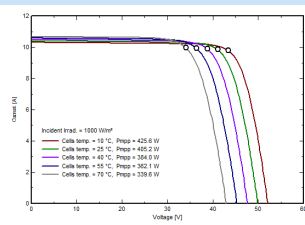
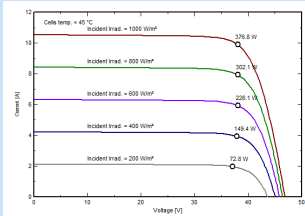
15 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE



## DIMENSIONS FOR HELIENE 72M G1 SERIES MODULES



## I-V CURVE FOR HELIENE 72M G1 SERIES



## CERTIFICATIONS



## ELECTRICAL DATA (STC)

Peak Rated Power	$P_{mpp}$ (W)	405	400	395	390
Maximum Power Voltage	$V_{mpp}$ (V)	41.00	40.70	40.40	40.11
Maximum Power Current	$I_{mpp}$ (A)	9.88	9.83	9.78	9.72
Open Circuit Voltage	$V_{oc}$ (V)	49.90	49.58	49.26	48.94
Short Circuit Current	$I_{sc}$ (A)	10.41	10.35	10.29	10.24
Module Efficiency *	Eff (%)	20.38	20.13	19.88	19.62
Maximum Series Fuse Rating	MF (A)	20	20	20	20
Power Output Tolerance		[- 3/+3 %]			

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 [-3/+3 %]

## 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)

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	+45°C (±2°C)
Temperature Coefficient of $P_{max}$	-0.36%/°C
Temperature Coefficient of $V_{oc}$	-0.31%/°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

15 Year Manufacturer's Workmanship Warranty

25 Year Linear Power Guarantee

(Refer to product warranty page for details)