

# HELIENE 72M G1 BIFACIAL

72-CELL MONOCRYSTALLINE G1 BIFACIAL 400W MODULE

400 Wp

MAX POWER OUTPUT (Front only)

20.13%

MAX EFFICIENCY (Front only)

10 YEAR

PRODUCT WARRANTY

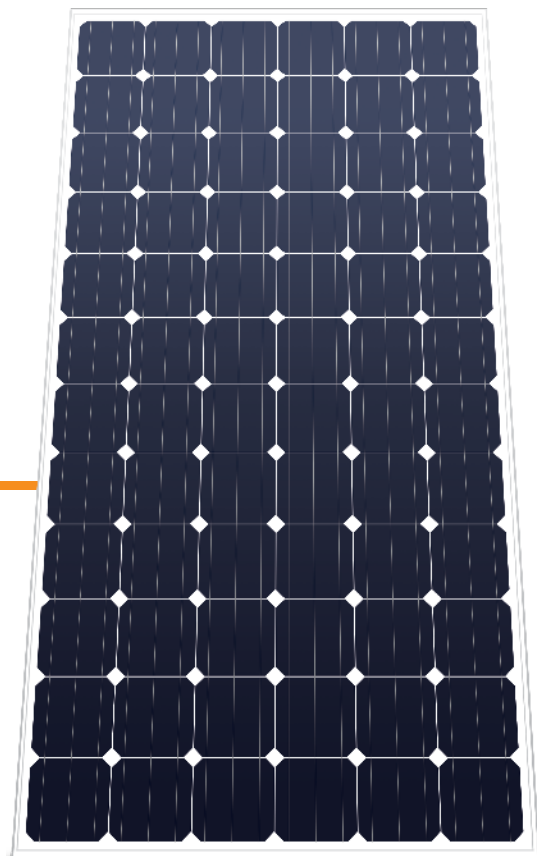
25 YEAR

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



BIFACIAL TECHNOLOGY ENABLE ADDITIONAL ENERGY HARVESTING FROM REAR SIDE



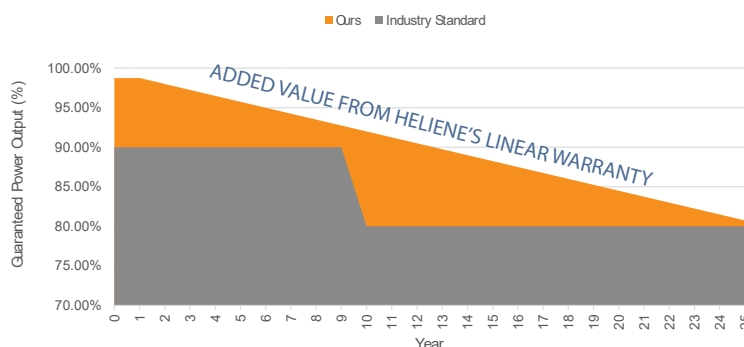
MAXIMUM SYSTEM VOLTAGE 1500VDC (UL)



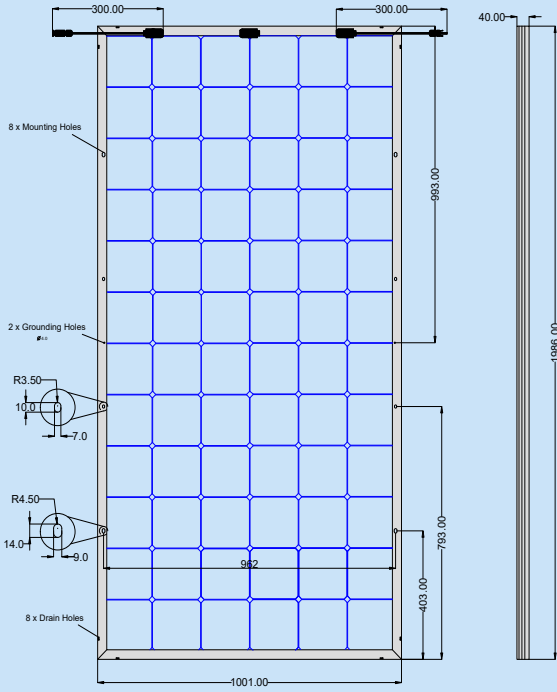
MANUFACTURED FOLLOWING INTERNATIONAL QUALITY SYSTEM STANDARDS: ISO9001

## LINEAR PERFORMANCE GUARANTEE

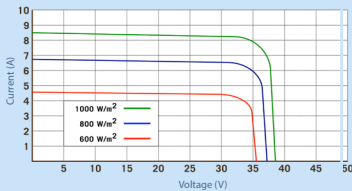
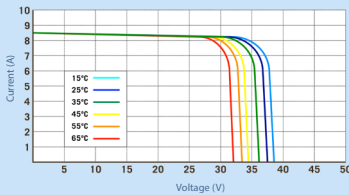
10 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE



### DIMENSIONS FOR HELIENE 72M G1 SERIES MODULES



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



### CERTIFICATIONS



### ELECTRICAL DATA (STC)

		Front only	Bifacial Gain		
			10%	15%	20%
Peak Rated Power	$P_{mpp}$ (W)	400	440	460	480
Maximum Power Voltage	$V_{mpp}$ (V)	40.70	40.72	40.78	40.88
Maximum Power Current	$I_{mpp}$ (A)	9.83	10.81	11.26	11.74
Open Circuit Voltage	$V_{oc}$ (V)	49.58	49.61	49.68	49.7
Short Circuit Current	$I_{sc}$ (A)	10.35	11.30	11.71	12.12

STC - Standard Test Conditions: Irradiation 1000 W/m<sup>2</sup> - Air mass AM 1.5 - Cell temperature 25 °C

### MECHANICAL DATA

Dimensions (L x W x D)	1986x 1001 x 40 mm (78.2x 39.5x1.6 inch)
Weight	23.5 kg (51.81lbs)
Output Cables	300mm (11.81 inch) symmetrical cables with MC4 type connectors
Junction Box	Three IP-68 Potted Junction Boxes
Frame	Double webbed 15 micron anodized aluminum alloy
Front Glass	Low-iron content, high-transmission PV solar glass
Solar Cells	72 Monocrystalline bifacial cells (158.75 x 158.75 mm)

### TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	+45°C (±2°C)
Temperature Coefficient of $P_{max}$	-0.35%/°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	1500VDC (UL)

### WARRANTY

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