



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

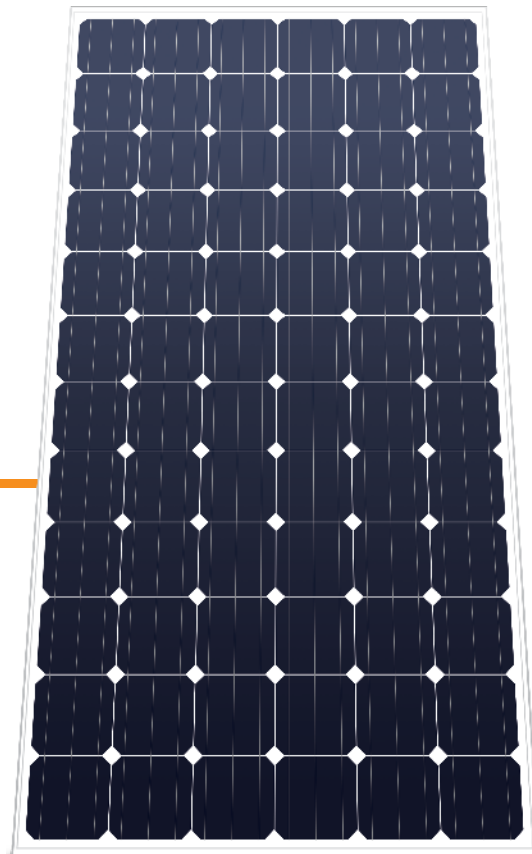
25 YEAR

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



BIFACIAL TECHNOLOGY ENABLE ADDITIONAL ENERGY HARVESTING FROM REAR SIDE



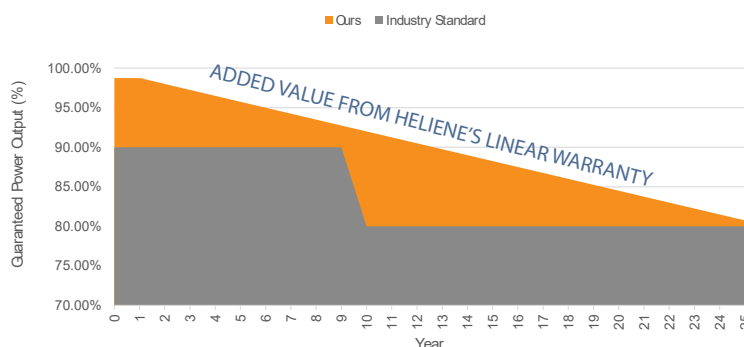
MAXIMUM SYSTEM VOLTAGE 1500VDC (UL)



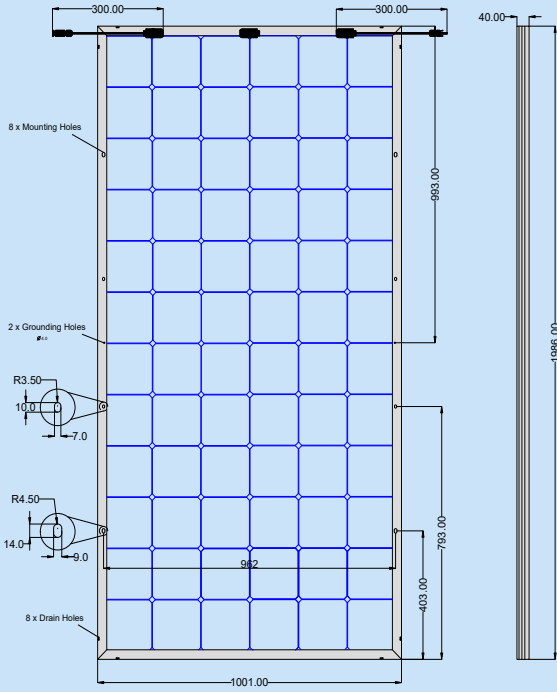
MANUFACTURED FOLLOWING INTERNATIONAL QUALITY SYSTEM STANDARDS: ISO9001

LINEAR PERFORMANCE GUARANTEE

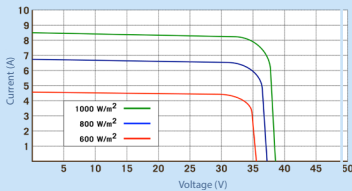
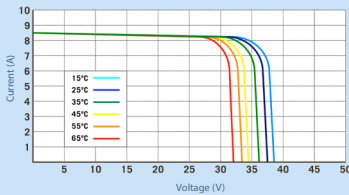
10 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE



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/m² - 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)