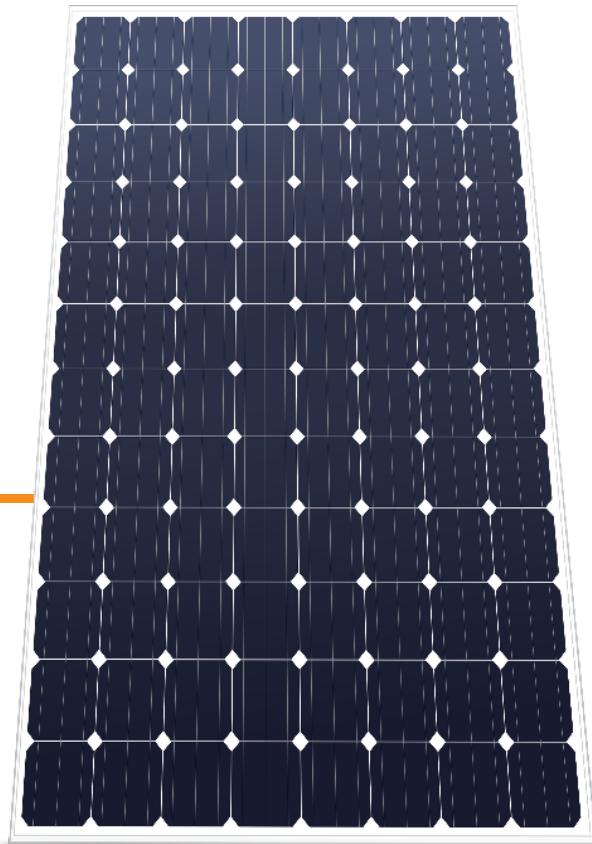




HELIENE 96^M BIFACIAL

96-CELL MONOCRYSTALLINE BIFACIAL 500W MODULE



500 Wp

MAX POWER OUTPUT (Front only)

19.56%

MAX EFFICIENCY (Front only)

10 YEAR

PRODUCT WARRANTY

25 YEAR

LINEAR PERFORMANCE GUARANTEE



BIFACIAL TECHNOLOGY ENABLE ADDITIONAL ENERGY HARVESTING FROM REAR SIDE



MAXIMUM SYSTEM VOLTAGE 1500VDC (UL)



MANUFACTURED FOLLOWING INTERNATIONAL QUALITY SYSTEM STANDARDS: ISO9001

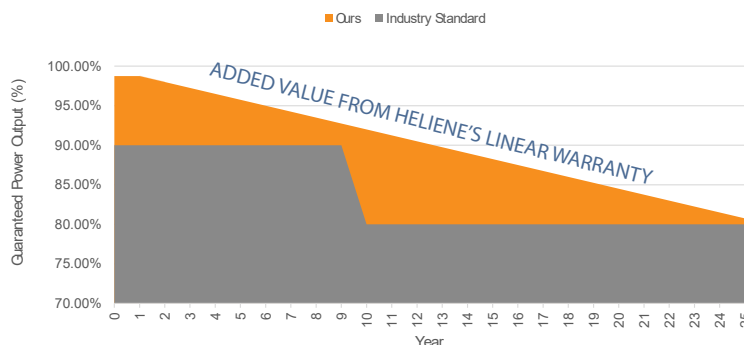
HELIENE IS A PREMIER SOLAR MODULE MANUFACTURER, SERVICING THE GROWING SOLAR ENERGY MARKETS OF NORTH AMERICA.

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

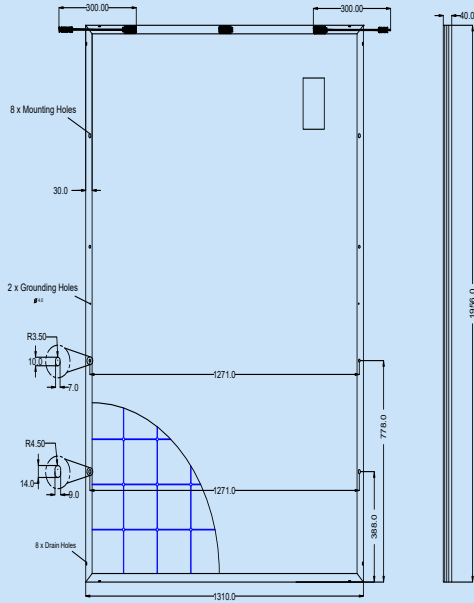
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LINEAR PERFORMANCE GUARANTEE

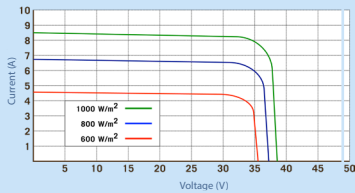
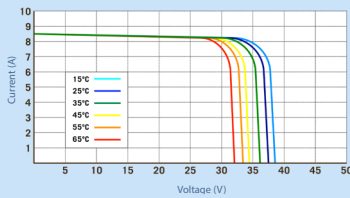
10 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE



DIMENSIONS FOR HELIENE 96M SERIES MODULES



I-V CURVE FOR HELIENE 96M SERIES



CERTIFICATIONS



		Front only	Bifacial Gain		
			10 %	15%	20 %
Peak Rated Power	P_{mpp} (W)	500	550	575	600
Maximum Power Voltage	V_{mpp} (V)	52.81	52.83	52.89	52.99
Maximum Power Current	I_{mpp} (A)	9.48	10.43	10.85	11.32
Open Circuit Voltage	V_{oc} (V)	63.20	63.23	63.30	63.39
Short Circuit Current	I_{sc} (A)	10.20	11.14	11.54	11.94

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)	1956 x 1310 x 40 mm (77 x 51.6 x 1.6 inch)
Weight	38 kg (83.7 lbs)
Output Cables	1.5 m (59.1") symmetrical cables with MC4 type connectors
Junction Box	IP-67 rated with bypass diodes
Frame	Double webbed 5 micron anodized aluminum alloy
Front Glass	Low-iron content, high-transmission PV solar glass
Solar Cells	96 Monocrystalline cells (156.75 x 156.75 mm)

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	+45°C (±2°C)
Temperature Coefficient of P_{max}	-0.39%/°C
Temperature Coefficient of V_{oc}	-0.33%/°C
Temperature Coefficient of I_{sc}	0.04%/°C

PACKAGING CONFIGURATION

Modules per box:	25 pieces
Modules per 53' trailer:	550 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)