



HELIENE

144M M8 BIFACIAL

HALF CUT MONOCRYSTALLINE M8 CELLS

530 Wp

MAX POWER OUTPUT

20.51%

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



HALF CELL DESIGN WITH SPLIT J-BOX TECHNOLOGY TO REDUCE SHADING EFFECT ON ENERGY GENERATION WITH BIFACIAL TECHNOLOGY



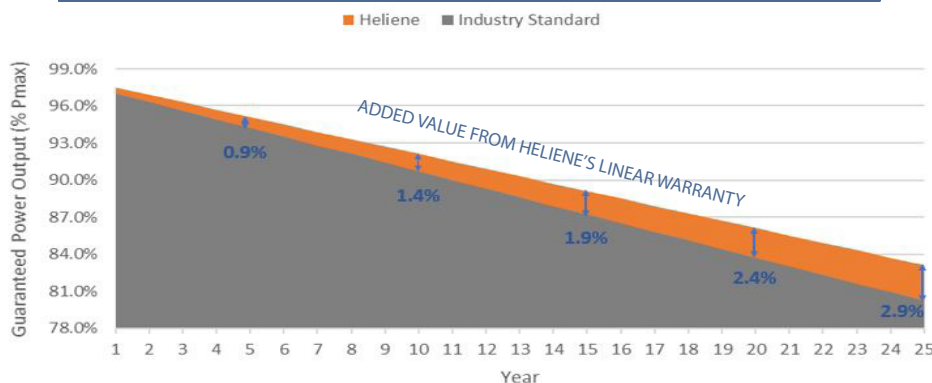
AVAILABLE IN 1000V OR 1500V SYSTEM VOLTAGE RATING



QUALITY MANAGEMENT SYSTEM FOLLOWING INTERNATIONAL STANDARD: ISO9001

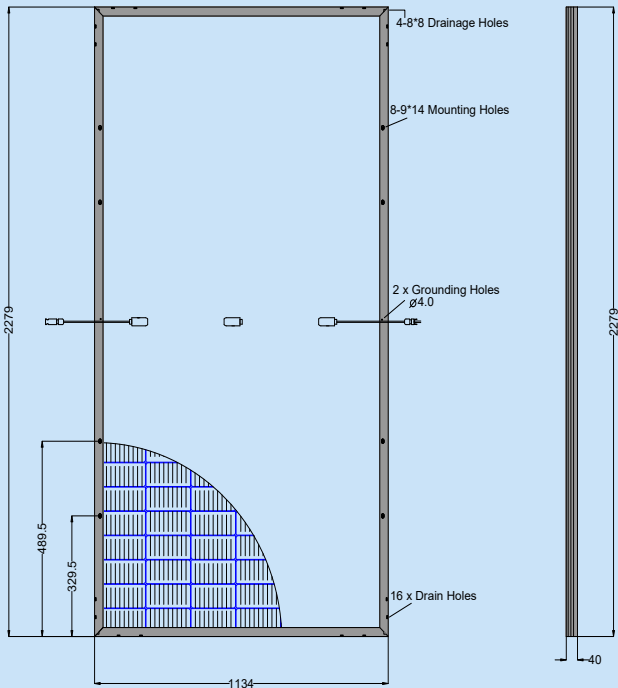
LINEAR PERFORMANCE GUARANTEE

15 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE

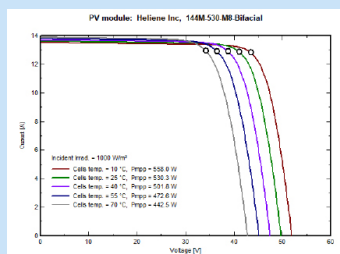
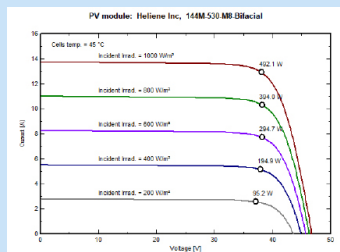


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DIMENSIONS FOR HELIENE 144M M8 SERIES MODULES



I-V CURVE FOR HELIENE 144M M8 SERIES



CERTIFICATIONS



ELECTRICAL DATA (STC)

		Front only	Bifacial Gain		
			10%	15%	20%
Peak Rated Power	P_{mpp} (W)	530	583	610	636
Maximum Power Voltage	V_{mpp} (V)	41.63	41.65	41.72	41.83
Maximum Power Current	I_{mpp} (A)	12.73	14.00	14.64	15.23
Open Circuit Voltage	V_{oc} (V)	49.74	49.77	49.84	49.86
Short Circuit Current	I_{sc} (A)	13.62	14.87	15.40	15.95
Module Efficiency *	Eff (%)	20.51	20.82	23.58	24.6

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 [-3/+3 %]

MECHANICAL DATA

Dimensions (L x W x D)	2279 x 1134 x 40 mm (89.72 x 44.65 x 1.6 inch)
Weight	28.5 kg (62.83 lbs)
Output Cables	0.3 m symmetrical cables with Renhe MC4 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	144 Monocrystalline Half cells (182 x 91mm)

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	+45°C (±2°C)
Temperature Coefficient of P_{max}	-0.36%/°C
Temperature Coefficient of V_{oc}	-0.30%/°C
Temperature Coefficient of I_{sc}	0.05%/°C

PACKAGING CONFIGURATION

Modules per box:	26 pieces
Modules per 53' trailer:	676 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)



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.