

MONO

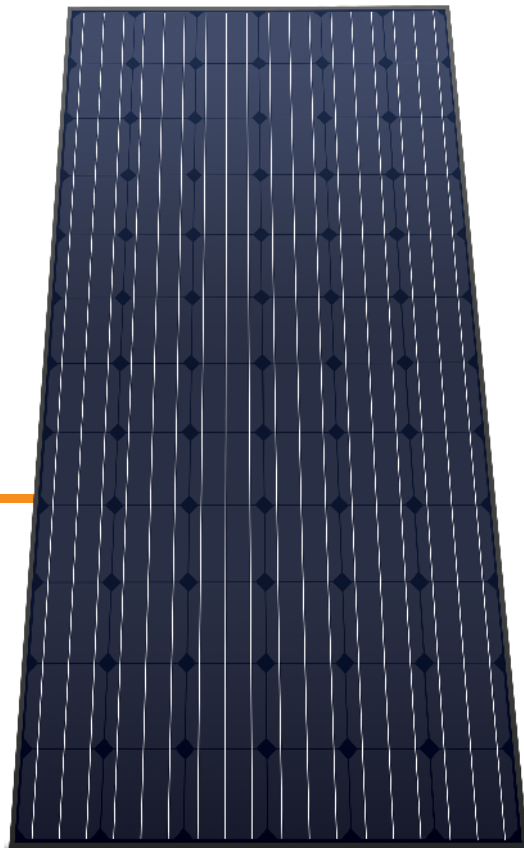
POLY



HELIENE

72M-BLK

72-CELL MONOCRYSTALLINE MODULE



365 Wp

MAX POWER OUTPUT

18.8%

MAX EFFICIENCY

10 YEAR

PRODUCT WARRANTY

25 YEAR

LINEAR PERFORMANCE GUARANTEE



GUARANTEED POSITIVE POWER SORTING: [-0 : +4.99 WP]



PERFECT FOR HIGH VISIBILITY INSTALLATIONS



MANUFACTURED ACCORDING TO INTERNATIONAL QUALITY SYSTEM STANDARDS: ISO9001



H-BLACK INTEGRATION - BLACK FRAME & BACKSHEET

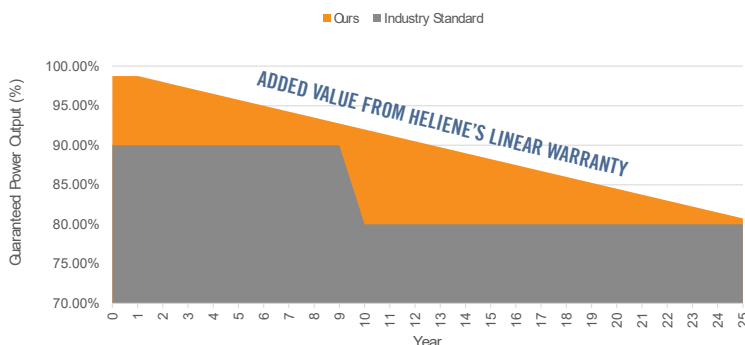
HELIENE INC. IS A PREMIER SOLAR MODULE MANUFACTURER, SERVICING THE GROWING SOLAR ENERGY MARKETS OF NORTH AMERICA.

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

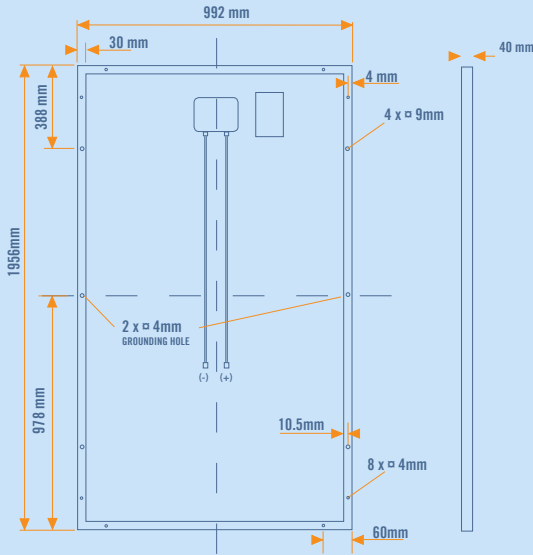
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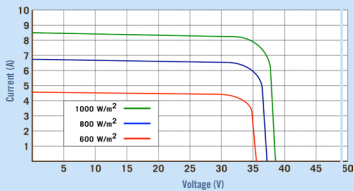
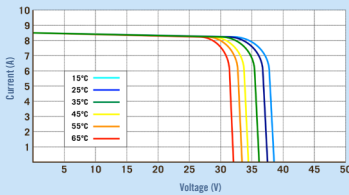
10 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE



DIMENSIONS FOR HELIENE 72M SERIES MODULES



I-V CURVE FOR HELIENE 72M SERIES



CERTIFICATIONS



ELECTRICAL DATA (STC)

| | | | | | |
|----------------------------|---------------|-------------------|-------|-------|-------|
| Peak Rated Power | P_{mpp} (W) | 365 | 360 | 350 | 345 |
| Maximum Power Voltage | V_{mpp} (V) | 39.90 | 39.71 | 39.13 | 38.84 |
| Maximum Power Current | I_{mpp} (A) | 9.20 | 9.13 | 9.01 | 8.95 |
| Open Circuit Voltage | V_{oc} (V) | 48.50 | 48.10 | 47.57 | 47.26 |
| Short Circuit Current | I_{sc} (A) | 9.75 | 9.71 | 9.65 | 9.57 |
| Module Efficiency * | Eff (%) | 18.8 | 18.6 | 18.0 | 17.8 |
| Maximum Series Fuse Rating | MF (A) | 20 | 20 | 20 | 15 |
| Power Output Tolerance | | [- 0 , + 4.99] Wp | | | |

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 [-0 , +4.99] Wp

MECHANICAL DATA

| | |
|------------------------|---|
| Dimensions (L x W x D) | 1956 x 992 x 40 mm (77 x 39 x 1.6 inch) |
| Weight | 21.9 kg (48.28 lbs) |
| Output Cables | 1.2 m (47.2 inch) symmetrical cables with MC4 type connectors |
| Junction Box | IP-67 rated with 3 bypass diodes (IP-67 Available upon request) |
| Frame | Double webbed 15 micron anodized aluminum alloy |
| Front Glass | Low-iron content, high-transmission PV solar glass |
| Solar Cells | 72 Monocrystalline cells (156 x 156 mm) |

CERTIFICATIONS

| | |
|-------------------|-------------------------|
| UL Certification | ULC/ORD-C1703-1, UL1703 |
| IEC Certification | Optional |

All Heliene modules are certified under the California Energy Commission (CEC) Listing Report

TEMPERATURE RATINGS

| | |
|---|--------------|
| Nominal Operating Cell Temperature (NOCT) | +45°C (±2°C) |
| Temperature Coefficient of P_{max} | -0.39%/°C |
| Temperature Coefficient of V_{oc} | -0.31%/°C |
| Temperature Coefficient of I_{sc} | 0.045%/°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

| |
|---|
| 10 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. Specifications included in this datasheet are subject to change without notice.