HELIENE 60M-HBLK
60-CELL MONOCRYSTALLINE MODULE

300 Wp
MAX POWER OUTPUT

18.6%
MAX EFFICIENCY

10 YEAR
PRODUCT WARRANTY

25 YEAR
LINEAR PERFORMANCE GUARANTEE

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.

Heliene Inc.
www.heliene.com
**DIMENSIONS FOR HELIENE 60M SERIES MODULES**

- **L x W x D:** 1650 x 992 x 40 mm (65 x 39 x 1.6 inch)
- **Weight:** 20 kg (43.9 lbs)
- **Output Cables:** 1.1 m (43.3 inch) symmetrical cables with MC4 type connectors
- **Junction Box:** IP-67 rated with bypass diodes
- **Frame:** Double webbed 15 micron anodized aluminum alloy
- **Front Glass:** Low-iron content, high-transmission PV solar glass
- **Solar Cells:** 60 Monocrystalline cells (156 x 156 mm)

**CERTIFICATIONS**

- **UL Listed:** ULC/ORD-C1703-1, UL1703, UL1703 Fire Classification Type 1
- **IEC Listed:** IEC 61215, IEC 61730

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

**ELECTRICAL DATA (STC)**

- **Peak Rated Power:** $P_{mpp} (W)\ 300\ 295\ 290\ 285$
- **Maximum Power Voltage:** $V_{mpp} (V)\ 33.139\ 32.838\ 32.537\ 32.236$
- **Maximum Power Current:** $I_{mpp} (A)\ 9.127\ 9.058\ 8.989\ 8.920$
- **Open Circuit Voltage:** $V_{oc} (V)\ 39.830\ 39.679\ 39.528\ 39.377$
- **Short Circuit Current:** $I_{sc} (A)\ 9.590\ 9.507\ 9.424\ 9.341$
- **Module Efficiency:** $\text{Eff} (%)\ 18.6\ 18.3\ 18.0\ 17.7$
- **Power Output Tolerance:** [-0 , + 4.99] Wp

**MECHANICAL DATA**

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*Calculated using 3.2mm PV glass, if 4mm profile is requested weight load will vary

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**TEMPERATURE RATINGS**

- **Nominal Operating Cell Temperature (NOC):** +45°C (±2°C)
- **Temperature Coefficient of $P_{mpp}$:** -0.39%/°C
- **Temperature Coefficient of $V_{oc}$:** -0.31%/°C
- **Temperature Coefficient of $I_{sc}$:** 0.045%/°C

**PACKAGING CONFIGURATION**

- **Modules per box:** 25 pieces
- **Modules per 53’ trailer:** 750 pieces

**MAXIMUM RATINGS**

- **Operational Temperature:** -40°C - +85°C
- **Max System Voltage:** 1500V (UL / IEC)
- **Max Series Fuse Rating:** 15 A

**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.
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