



HELIENE

## 60MBLK HOME PV

60-CELL MONOCRYSTALLINE HOME PV

320 Wp  
MAX POWER OUTPUT

19.21%  
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](http://www.heliene.com)



AVAILABLE IN 1000V OR 1500V SYSTEM VOLTAGE  
RATING



MANUFACTURED FOLLOWING INTERNATIONAL  
QUALITY SYSTEM STANDARDS: ISO9001

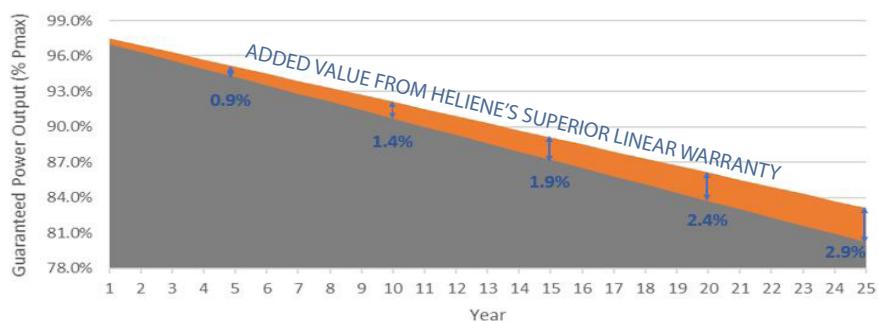


H-BLACK INTEGRATION - BLACK FRAME & BACKSHEET

## LINEAR PERFORMANCE GUARANTEE

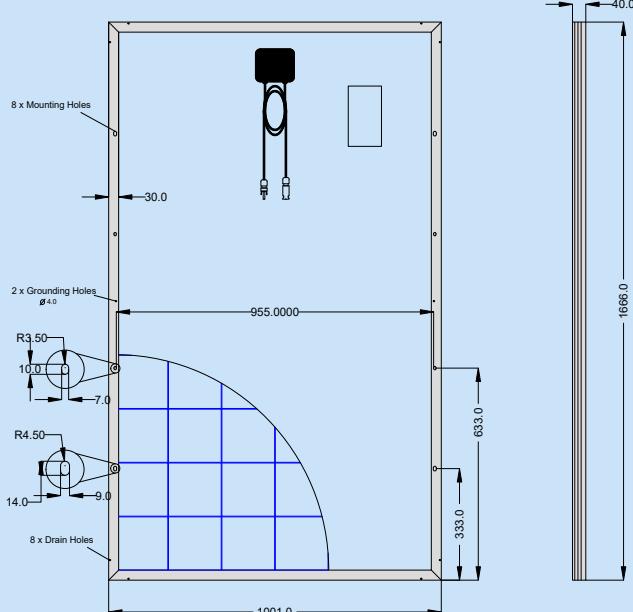
15 YEAR WORKMANSHIP WARRANTY • 25 YEAR LINEAR PERFORMANCE GUARANTEE

■ Heliene ■ Industry Standard



# 60 MBLK HOME PV

## DIMENSIONS FOR 60M HOME PV SERIES



## ELECTRICAL DATA (STC)

Peak Rated Power	$P_{\text{mpp}}$ (W)	320	315	310	305
Maximum Power Voltage	$V_{\text{mpp}}$ (V)	34.10	33.70	33.54	33.60
Maximum Power Current	$I_{\text{mpp}}$ (A)	9.37	9.33	9.27	9.07
Open Circuit Voltage	$V_{\text{oc}}$ (V)	40.50	40.32	40.13	39.98
Short Circuit Current	$I_{\text{sc}}$ (A)	10.20	10.16	10.22	9.67
Module Efficiency *	Eff (%)	19.21	18.92	18.78	18.28
Maximum Series Fuse Rating	MF (A)	20	20	20	20
Power Output Tolerance	[- 3, + 3] %				

STC - Standard Test Conditions: Irradiation 1000 W/m<sup>2</sup> - 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)	1666 x 1001 x 40 mm (65.5 x 39.4 x 1.6 inch)
Weight*	19 kg (41.9 lbs)
Output Cables	1.2 m (47.24 inch) symmetrical cables with Multi-Contact (Staubli) MC4 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 (158.75 x 158.75 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 $P_{max}$	-0.36%/°C
Temperature Coefficient of $V_{oc}$	-0.30%/°C
Temperature Coefficient of $I_{sc}$	0.04%/°C

## PACKAGING CONFIGURATION

Modules per box:	26 pieces
Modules per 53' trailer:	936 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)

