

66M HJT All Black Module

66 Cell M2+ Heterojunction 360W - 370W

20.5%

Super high efficiency advanced HJT cells with Smartwire technology using 18 round microwires in place of traditional flat busbars. The round shape of the microwire creates light trapping effect which reduces shading by 25%.

Stability & Looks

HJT cells, based on N-type silicon result in extremely low LID & PID, reducing annual degradation and guaranteeing more power.

Anti-Reflective

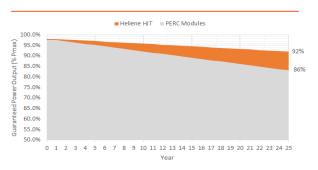
Premium solar glass with anti reflective coating delivers more energy throughout the day while the HJT cells excel in low light and high temperature conditions.

High Reliability

HJT cell combines the advantages of N-type crystalline silicon with the excellent absorption and passivation of amorphous silicon.

No Compromise Guarantee

25 Year Product Warranty 25 Year Linear Performance Guarantee







Manufactured Using International Quality System Standards: ISO9001

World-class Quality

- Heliene's fully automated manufacturing facilities with state-of-the-art robotics and computer aided inspection systems ensure the highest level of product quality and consistency
- All manufacturing locations are compliant with international quality standards and are ISO 9001 certified
- Heliene modules have received Top Performer rankings in several categories from PV Evolution Labs (PV EL) independent quality evaluations

Bankable Reputation

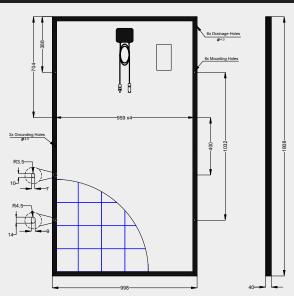
- Established in 2010, Heliene is recognized as highly bankable Tier 1 manufacturer of solar modules and has been approved for use by the U.S. Department of Defense, U.S. Army Corps of Engineers and from numerous top tier utility scale project debt providers
- By investing heavily in research and development, Heliene has been able to stay on the cutting edge of advances in module technology and manufacturing efficiency

Local Sales, Service, and Support

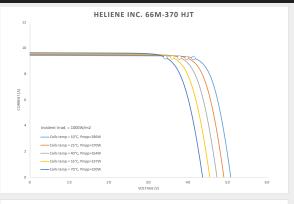
- With sales offices across the U.S. and Canada, Heliene prides itself on unsurpassed customer support for our clients. Heliene has become the brand of choice for many of the leading residential installers, developers and Independent Power Producers due to our innovative technology, product customization capability and just in time last-mile logistics support
- Local sales and customer support means answered phone calls and immediate answers to your technical and logistics questions. We understand your project schedules often change with little warning and endeavor to work with you to solve your project management challenges



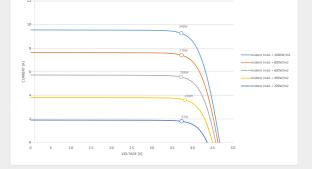




I-V Curves for 66M HJT All Black Series Modules



HELIENE INC. 66M-370 HJT



Certifications





Electrical Data (STC)

Peak Rated Power	P _{mpp} (W)	370	365	360
Maximum Power Voltage	$V_{mpp}(V)$	41.20	40.80	40.45
Maximum Power Current	I _{mpp} (A)	8.98	8.95	8.90
Open Circuit Voltage	$V_{oc}(V)$	49.02	48.82	48.62
Short Circuit Current	lsc (A)	9.48	9.45	9.41
Module Efficiency *	Eff (%)	20.5	20.2	20.0
Maximum Series Fuse Rating	MF (A)	15	15	15
Power Output Tolerance		[- 0/	+3 %]	

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/+3%]

Electrical Data (NMOT)

Maximum Power - Pmax (Wp)	$P_{mpp}(W)$	275	270	265
Maximum Power Voltage - Vmpp (V)	$V_{mpp}(V)$	38.28	37.73	37.22
Maximum Power Current - Impp (A)	I _{mpp} (A)	7.18	7.16	7.12
Open Circuit Voltage - Voc (V)	$V_{_{oc}}(V)$	46.25	46.06	45.87
Short Circuit Current - Isc (A)	lsc (A)	7.63	7.60	7.57
NMOT: Irradiance at 800W/m2 Ambient T	omporatura 2	00C Wind o	nood 1m/o	

NMOT: Irradiance at 800W/m2, Ambient Temperature 20°C, Wind speed 1m/s

Mechanical Data

Solar Cells	66 Heterojunction N-type cells (157.35 x 157.35mm)
Module Construction	Framed Glass-Backsheet
Dimensions (L x W x D)	1808 x 998 x 40mm (71.18 x 39.29 x 1.6 inch)
Weight	20.4 kg (44.9lbs)
Frame	Double Webbed 15-Micron Anodized Aluminum Alloy
Glass	3.2mm Low-Iron Content, High-Transmission, PV Solar Glass with Anti Reflective Coating
Junction Box	IP68 Rated Junction Box with 3 Bypass Diodes
Output Cables	1.2-meter (47.24-inch) Symmetrical Cables
Connectors	Multi-Contact (Staubli) MC4

Certifications

UL Certification

UL61215, UL61730

Temperature Ratings

Nominal Operating Cell	+42°C
Temperature (NOCT)	(±2°C)
Temperature Coefficient of $P_{_{\mathrm{max}}}$	-0.294%/°C
Temperature Coefficient of $\rm V_{\rm oc}$	-0.257%/°C
Temperature Coefficient of I_{sc}	0.0374%/°C

Maximum Ratings

Operational Temperature	-40°C - +85°C
Max System Voltage	600V (1000V Optional)
Mech. Load Test (Front)	113 psf / 5400 Pa
Mech. Load Test (Back)	50 psf / 2400 Pa
Fire Rating	Type 2 (Type 1 Optional)

Packaging Configuration

Warranty

25 Year Product Warranty	Modules per box:	26 pieces
25 Year Linear Power Guarantee	Modules per 53' trailer:	780 pieces

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HSPE_66M_M2+_HJT_REV.07.pdf August 16th, 2022

The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the ongoing innovation and product enhancements. Heliene Inc. reserves the right to make necessary adjustment to the information described herein at any time without prior notice. PV modules should be handled and installed only by qualified people. Please carefully read safety and installation instructions available for download from Heliene website before using Heliene PV modules. For warranty details, please refer to Product Warranty Document, also available for download from Heliene website.