

ELIOS | Voltaic 200GB-B

All Black 200W Bifacial Glass Solar Panel

Data Sheet



The Elios Voltaic 200GB-B is a high-performance 200W bifacial solar module engineered for long-lasting outdoor reliability. Built with tempered glass and a corrosion-resistant aluminum frame, it delivers exceptional durability and consistent performance in any environment. High-grade silicon cells are laminated between protective layers, reaching 17–25% efficiency under standard test conditions. Designed for strength, efficiency, and versatility, it's an excellent choice for RVs, vans, and off-grid systems where dependable, sustainable power is essential. Its robust construction also makes it well-suited for residential, commercial, and industrial installations.

Features & Benefits

-  Innovative lattice structure reduces weight by 40% while maintaining strong rigidity.
-  High efficiency: 0.5–0.6V per cell, achieving 30–50% higher output with solar tracking.
-  Monocrystalline Cells: 17%+ conversion efficiency ensures consistent, reliable energy output.
-  Extended Lifespan: Built for 25+ years with minimal power degradation.
-  Rugged Design: Tempered glass and aluminum frame resist wind, hail, and heavy pressure.
-  Space & Ground Applications: Tested on space missions (e.g., ISS iROSA arrays) for deep-space power generation

Certifications

ETL | UL 61730-1:2017 | CSA C22.2#61730-1:2019 Ed.2 | UL 61730-2:2017 Ed.1+R:30Apr2020 | CSA C22.2#61730-2:2019 Ed.2 | UL 61215-1:2017 Ed.1 | UL 61215-1-1:2017 Ed.1 | UL 61215-2:2017 Ed.1

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ELECTRICAL SPECIFICATIONS

Rated Power in Watts-Pmax(Wp)	200W
Open Circuit Voltage-Voc(V)	48V
Short Circuit Current-Isc(A)	5.68A
Maximum Power Voltage-Vmpp(V)	39V
Maximum Power Current-Impp (A)	5.13A
Power Tolerance	0~+3%

MECHANICAL SPECIFICATIONS

Solar Cells	Mono-crystalline
Cell Configuration	72 cells (4*18)
Module Dimensions	1500 × 680 × 30 mm (59.06" × 26.77" × 1.18")
Weight	12kg (26.46 lb)
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered Glass
Substrate	Transparent back-sheet
Frame	Anodized aluminum alloy type 6063T5, black color
J-Box	IP68
Cables	1400mm 4mm ² cable with MC4

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature(NMOT)	45P±2P
Temperature Coefficient of Voc	-0.29%/P
Temperature Coefficient of Isc	0.05%/P
Temperature Coefficient of Pmax	-0.39%/r
Operational Temperature	-40%>+85P
Maximum System Voltage	1000VDC
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

Applications

- Off-Grid
- Van & RV
- Residential
- Industrial
- Portable Power Solutions
- Research and Development

Warranty

- 30 year performance warranty to 80%
- 10 year performance warranty to 90%
- 12 year warranty against production and material defect

Dimensions

