

ELIOS Voltaic 200






200W Mono-crystalline Solar Panel

Data Sheet



Our all-black, mono solar panel stands out as one of Canada's best RV solar panels, expertly designed for Sprinter, Transit, and Dodge vehicles. With a notable open circuit voltage of 48VDC, it is an optimal choice for Mercedes Sprinter vans. Innovatively designed to operate at higher voltages. This allows for the installation of multiple panels in parallel, enhancing the charging efficiency and performance of your system.

Features & Benefits

-  Long lifespan, ideal for outdoor use such as RVs and campers.
-  Up to 22.90% efficiency with 72 mono-crystalline cells
-  Performs exceptionally well even in low-light conditions.
-  Minimized power loss with anti-reflective and anti-soiling surfaces.
-  Designed to endure 2400 Pa wind load and 5400 Pa snow load, ensuring durability in extreme weather conditions.

Certifications

IEC 61215 | IEC 61730 | TUV | CE | GB/T19001-2016/ISO9001 :2015 | ETL 1703 | ISO | IEC 61730-1:2016 | IEC 61730-2:2016 | IEC 61215-1:2021 | IEC 61215-2:2021 | IEC 61215-1-1:2021 | UL 61730-1:2017 | CSA C22.2#61730-1:2019 | UL 61730-2:2017+R:30Apr2020 | CSA C22.2#61730-2:2019 | UL 61215-1:2017 | UL 61215-1-1:2017 | UL 61215-2:2017

ELIOS Voltaic 200

200W Mono-crystalline Solar Panel

Data Sheet

ELECTRICAL SPECIFICATIONS

Rated Peak Power (Pmax)	200 W
Open Circuit Voltage (Voc)	48 V
Short Circuit Current (Isc)	5.68 A
Maximum Power Voltage (Vmp)	39 V
Maximum Power Current (Imp)	5.13 A
Solar Cell Efficiency	22.90%
Power Tolerance	±3%
Standard Test Conditions	Air Mass AM 1.5 Irradiance 1000 W/m ² Cell Temperature 25°

THERMAL SPECIFICATIONS

Open Voltage Temperature Coefficient VOC (%/C°)	-0.29
Open Voltage Temperature Coefficient ISC (%/C°)	+0.05
Power Temperature Coefficient PMP (%/C°)	-0.39
NOCT (C°)	45±2

OPERATING CONDITIONS

Maximum System Voltage - Vmax (V)	1000
Maximum Series Fuse (A)	20
Operating Temperature	IEC: -40° to +85°C UL: -40°C to +90°C

MECHANICAL SPECIFICATIONS

Cells Per Module	72 (4x18)
Solar Cell Type	Monocrystalline
Backsheet Color	Black
Frame	Anodized Aluminum (Black)
Junction Box	IP68
Wire Length	1400mm
Dimensions (LxWxD)	58.85 x 26.77 x 1.3 in (1495 x 680 x 35 mm)
Net Weight	12 kg (26.45 lbs)
Output Port	MC4
Output Cable	TUV 4.0 mm ²

PACKAGING & SHIPPING INFORMATION

Retail Box: Dimensions (LxWxD) & Weight	58.8x26.8x1.38 in (1495x680x35mm) 26 lbs (12kg)
40 Feet High-Cube Container	27*2 Pieces per pallet, 1800 Pieces per container

Applications

- Yacht
- Boat
- Trailer
- RV
- Roof Top
- Curvy Surfaces

Warranty

- 25-year performance warranty to 80%
- 10-year performance warranty to 90%
- 5 years warranty against production and material defect

Dimensions

