



SPML170R

Maple Leaf 170W Mono Rigid Solar Panel

170W Mono Rigid

Unleash the power of solar with our 170W Mono Rigid Solar Panel, boasting an impressive 22% cell efficiency. Engineered for convenience, it features pre-drilled holes for a swift and easy installation, catering to a variety of off-grid solutions. Designed to brave all Canadian weather conditions, this panel is laminated with glass-faced monocrystalline silicon, equipped with bypass diodes to combat power drop from shadows, and carries an IP67 rating.

Versatile in applications, it finds a home in RVs, field work charging, camping, off-grid setups, marine ventures, boats, home solar, and beyond.

Warranty



**Power Output
Warranty**



**Power Performance
Warranty**

Product Certification



Key Features



Cutting-Edge Technology

Have sophisticated multi-layered lamination, guarantees greater effectiveness and higher conversion rates.



High Conversion Efficiency

With an outstanding 22% cell efficiency, it guarantees maximum energy production.



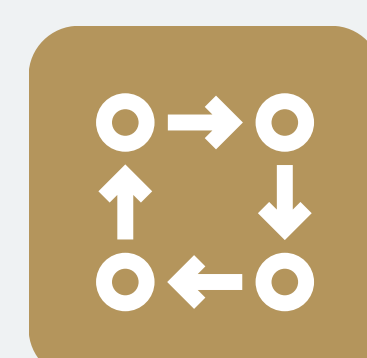
Multi-Protection Features

With bypass diodes, it guards against overheating and keeps running without interruption even in shading.



Built for Endurance and Longevity

Long-term outdoor use with corrosion-resistant metal frame, withstand strong winds(2400Pa) & snow(5400Pa).



Quick and Inexpensive Mounting

Compatibility with variety of mounting, including Ground, Z brackets, Corner Brackets, Pole, and Tilt Mounting.



Effortless Installation

Back has pre-drilled holes to make installation easier. Perfect for off-grid uses: Buildings, Trailers, Vehicles, Homes, Rooftops, Boats, and RVs.

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Mechanical Parameters

Solar Cells	Monocrystalline
Date	Aug 2023
Dimensions	1230*670*30mm
Weight	8.4/9.6kg
Connectors	MC4 compatible
Wind load test	2400Pa/0.35 PSI
Snow Load Test	5400Pa/0.75 PSI
Standard Test Condition	1000W/m2, AM 1.5, 25°C
Cell Efficiency	22%
Cell	210*33.2--36*3
Temperature Range	-40°C to +80°C
Manufacture Warranty	25 years
Power Performance Warranty	>90% after 15 years >80% after 25 years
Module Structure	Aluminum Frame / Glass / EVA /Backsheet

Electrical Characteristics

Imp	8.33A
Voc	24.26V
Isc	8.83A
Output Tolerance	0 - +3%
Pm Vmp	20.41V
Maximum System Volatge	500V(IEC)
Max Series Fuse Rating	20A

Junction Box

Junction Box	≥IP67 rated
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Mc4 Connectors

Rated Current	30 A
Maximum Voltage	1000 VDC
Certified	UL & CSA
Temperature Range	-40°C -90°C(-40°F - 194°F)
IP Rating	IP 67
Cable (MC4)	700mm /2.5mm ²

*** The information and measurements in this datasheet have been assessed under Standard Test Conditions, so there may be slight differences from real-world findings. Maple Leaf and its associated entities retain the right to change the information given within this datasheet without prior notice. Our goal is to provide clients with the most recent product information. You can find these datasheets in the downloading section of our product description.