



SPML150CPC

Maple Leaf 150W CPC Semi-Flexible Solar Power Panel

150W CPC Semi-Flexible

Meet the groundbreaking Bi-facial 150W CPC semi-flexible solar panel – a marvel that combines cutting-edge technology with unmatched precision! This incredibly light and flexible panel, weighing only 7.27-10.58 pounds, is a mere 30% of the weight of standard panels and boasts a thickness of less than 5%.

It's the ultimate solution for flexible power needs. Whether you're off-grid, charging RVs, boats, sailboats, yachts, trucks, cars, coaches, cabins, campers, tents, trailers, golf carts, and other uneven surfaces, or integrating it seamlessly into on-grid systems for household electricity requirements.

Warranty



**Power
Output
Warranty**



**Power
Performance
Warranty**

Product Certification



Key Features



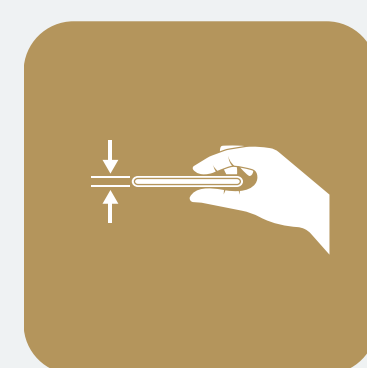
Ultra Lightweight with 248° Flexibility

Engineered with capability to bend on uneven surfaces like the front portion of an RV, roofs, and camper kits.



Bifacial with Excellent Light Transmission

Outperforms in direct sunlight, achieving a conversion rate of 30% more via transmission and durability.



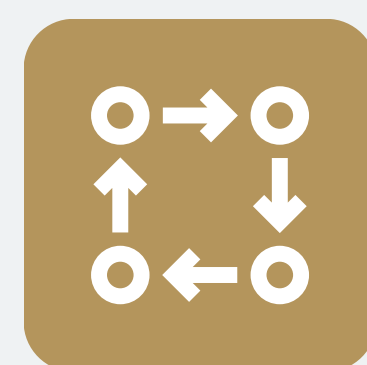
Feather-Light with slim and sleek Design

Thickness comprising less than 5% of conventional panels, provide aesthetic appeal & effective functionality.



Versatile Dual System Compatibility

Diverse range of vehicles and off-grid scenarios: RVs, sailboats, yachts, trucks, cars, campers, tents, golf carts.



Quick and Inexpensive Mounting

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



IP67 water-resistant & Safety Measures

Includes a waterproof junction box boasting an IP67 rating. Withstand substantial snow loads and high winds, even in harsh environments.

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Mechanical Parameters

Solar Cells	CPC/ Bifacial
Date	Aug 2023
Dimensions	800*1088*2mm
Bi-facial Gain	Up to 15%(*based on ideal test conditions)
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
Manufacture Warranty	25 years
Power Performance Warranty	>90% after 15 years >80% after 25 years
Temperature Range	-20°C to +65°C
Cell	182*60.6--16*2*2
Module Structure	CPC / EVA /Backsheet

Electrical Characteristics

Imp	8.09A
Voc	21.76V
Isc	8.58A
Pm Vmp	18.58V
Output Tolerance	0 - +3%
Maximum System Volatge	100V(IEC)
Max Series Fuse Rating	20A

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

Junction Box

Junction Box	≥IP67 rated
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Junction Box



Mc4 Connectors

*** 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.