Solar Panel FOSSIBOT SP200 Pro

Model: SP200Pro

Manufacturer: FOSSIBOT

EAN: 6942580508696

Product Code: 1746366

R5,950

FOSSIBOT SP200 Pro Solar Panel

The FOSSiBOT SP200 Pro is a foldable, bifacial solar panel with a maximum power output of 200 W, designed for charging portable power stations. It uses bifacial technology, which allows it to absorb light from both sides, providing up to 10–15% more light than a single-sided design. Monocrystalline cells with a declared conversion efficiency of up to 25% enable efficient use of solar radiation. The panel features an aluminum frame, reinforced corners, bypass diodes, and MC4 connectors. The IP67 rating enhances resistance to water and dust, while the foldable design and weight of 6.5 kg make it easy to transport. The SP200 Pro is ideal for camping, RV travel, fishing, and as part of a home emergency power system.

Bifacial design—up to 10–15% more light

Bifacial technology allows the panel to capture sunlight from both sides. The front surface absorbs direct sunlight, while the back captures rays reflected from the ground. Under favorable conditions,

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this allows for up to 10–15% more light to be harnessed than with single-sided panels. This solution is particularly useful when the panel is positioned on light-colored surfaces that reflect sunlight well. The additional light reaching the cells can increase the amount of energy generated.

200 W Power Output and High Conversion Efficiency

The panel offers a maximum power output of 200 W under standard test conditions (STC). The monocrystalline cells used feature a declared conversion efficiency of up to 25%, which allows for the efficient conversion of sunlight into electricity. Under typical weather conditions, the panel’s actual power output is approximately 70–85% of the maximum value, or about 140–170 W. The final result depends, among other factors, on sunlight intensity, temperature, panel orientation, and any shading.

Aluminum Frame and Reinforced Corners

The SP200 Pro features an aluminum frame that stiffens the structure and provides additional edge protection. Thick plastic corner guards help reduce the risk of mechanical damage. This combination increases the panel’s durability, which is important during regular outdoor use, especially while camping and traveling.

Stable 35° Angle

Integrated supports allow the panel to be set at a fixed 35° angle without the need for manual tilt adjustment. This design allows you to conveniently set it up on a suitable surface, such as grass or dirt. The proper angle helps maximize solar radiation, although actual charging efficiency also depends on the sun’s position and the panel’s orientation.

Foldable design – convenient transport and storage

The panel consists of four interconnected segments that, when unfolded, form a surface measuring 2080 × 602 × 21.4 mm. When folded, its dimensions are reduced to 602 × 520 × 87.4 mm, making it easy to store in a car trunk, RV, or storage compartment. The design features carrying handles, and the included carrying bag ensures convenient storage. Its compact size when folded allows you to take the panel on a trip without having to set aside a lot of space for the equipment.

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Bypass LEDs – Less Power Loss During Partial Shading

When using the panel outdoors, parts of its surface may be obscured by leaves, branches, or dirt. The bypass diodes help minimize power losses caused by partial shading of the cells and reduce the risk of localized overheating. As a result, the panel can operate more efficiently under conditions of uneven sunlight, although shading still affects the amount of energy generated.

IP67 Protection Rating – Water and Dust Resistance

The FOSSiBOT SP200 Pro has a declared IP67 protection rating, which means it is dust-tight and resistant to brief immersion in water in accordance with the requirements of this class. The panel is therefore suitable for use in varying weather conditions, including rain. Its operating temperature range of −10 °C to 70 °C allows it to be used throughout the year. However, when operating outdoors, the electrical connections must be protected in accordance with the manufacturer’s recommendations.

MC4 Connectors and System Expandability

Standard MC4 connectors allow the panel to work with compatible power stations and solar systems. The kit includes a 1.5-meter MC4–XT60 cable, which allows you to connect the panel to a power station equipped with a compatible solar charging input. The SP200 Pro is compatible with, among others, the FOSSiBOT F1800, F2400, F3600 Pro, and F7200 charging stations. It is also possible to connect several panels in series or in parallel, which allows you to increase the voltage or current depending on the selected configuration. This enables you to tailor the set to your energy needs and the input parameters of the power station. Before connecting multiple panels, check the permissible voltage, current, and input power of the device you are connecting.

Solar Power on the Go and During Power Outages

The foldable FOSSiBOT SP200 Pro panel is ideal for use wherever access to a traditional electrical outlet is limited. While camping, traveling in an RV, or fishing, it allows you to charge a portable power station, which you can then use to power phones, laptops, camping lights, and other devices. It can also be part of a home emergency kit, allowing you to recharge the power station during power outages. It’s a way to harness solar energy both while traveling and in situations requiring an

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additional power source.

Included

- FOSSiBOT SP200 Pro 200 W photovoltaic panel
- Carrying bag
- MC4–XT60 solar charging cable (1.5 m)
- User manual

Manufacturer	FOSSiBOT
Model	SP200 Pro
Type	folding solar panel
Cell type	monocrystalline
Technology	bifacial
Maximum power (STC)	200 W
Declared conversion efficiency	up to 25%
Maximum power voltage (Vmp)	18.8 V
Maximum power current (Imp)	10.7 A
Open-circuit voltage (Voc)	22.6 V
Short-circuit current (Isc)	10.9 A
Connectors	MC4
Number of segments	4
Tilt angle	35°
Frame material	aluminum
Protection rating	IP67
Operating temperature	−10 °C to 70 °C
Dimensions when unfolded	2080 × 602 × 21.4 mm
Dimensions when folded	602 × 520 × 87.4 mm
Weight	6.5 kg

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