

Code: SP-160-MF

## SOLAR PANEL **SP-160-MF** FLEXIBLE



Solar panels are a clean and ecological source of electricity. Depending on their size and structure, they can be used to create installations capable of supplying power to the entire building, as well as small temporary or mobile circuits.

The SP-160-MF panel, due to its lightweight, flexible structure, is ideal for mobile applications where weight and ease of installation are key.

The design of the panel allows it to be mounted by gluing it to smooth, flat or slightly curved surfaces (car roof, camper-van, caravan, yacht roof, etc.). Installation by gluing is particularly convenient in the case of installation on means of transport, as it almost completely eliminates the possibility of the panel tearing off under the influence of strong wind.

The structure of the panel also allows it to be mounted in a frame made of angles or open profiles. This makes it possible to make temporary installations - foldable, which can be successfully used during a trip to a tent or a summer house, and after use, folded and stored or packed in the trunk of the car.

**ATTENTION!** After reaching its own temperature of 80°C, the panel is irreparably damaged, therefore it is extremely important to provide it with adequate cooling during operation. When installing flexible panels with glue, make sure that the material to which the panel will be glued is able to conduct heat and thus prevent overheating of the panel. When mounting on a frame or rack, remember to keep a few centimeters (recommended 5 ... 10 cm) of gap between the panel plane and the surface to which it is mounted in order to ensure natural ventilation.

**Attention!** The flexibility of the panel allows it to be bent up to a semicircle.

Maximum power:	160 W
Maximum Power Current ( $I_{mp}$ ):	8.79 A
Maximum Power Voltage ( $V_{mp}$ ):	18.2 V
Short-circuit Current ( $I_{sc}$ ):	9.31 A
Open-circuit Voltage ( $V_{oc}$ ):	21.5 V
Length of the cables:	2 x 0.65 m
Cell Type:	Monocrystalline
Panel Structure:	Flexible
Weight:	5.16 kg
Dimensions:	1510 x 670 x 15 mm
Manufacturer / Brand:	SolarFam
Country of origin:	The Netherlands
Guarantee:	2 years