



## TELECO TSPF 110W FLEXIBLE VEHICULAR SOLAR PANEL

Reference: 19300

### TELECO TSPF 110W SEMI FLEXIBLE SOLAR PANEL

TELECO TSPF 110W is a semi-flexible solar panel designed for use in the nautical environment, resistant to water, wind, salt, extreme weather conditions, degrading agents including temperature changes and solar radiation, effective and performing even in case of high outdoor temperatures.

With a maximum power of 110 Watt, the new TELECO TSPF 110W module proposed in the dimensions 1216x533x2mm solves many drawbacks that usually afflict fixed-mount solar panels installed on recreational vehicles, in particular the problem of encumbrance and the problem, very important on a means of transport, of weight. With a weight contained in only 1.8 Kg the TELECO TSPF 110W module is extremely light compared to a similar traditional solar panel that, mounted on the roof of the camper, generally weighs around 10 Kg.

TELECO TSPF 110W also, compared to traditional photovoltaic panel models, is a semi-flexible module and this, together with its thickness of only 2 mm, allows it to adapt to the roof of the camper or caravan following its profile. TELECO TSPF 110W modules contain solar cells made of the purest type of silicon, monocrystalline silicon, which makes them more efficient, compact and durable than polycrystalline models.

The high mechanical resistance allows the TELECO TSPF 110W module not to be affected by jolts and vibrations and, a key factor in the installation on the roof of recreational vehicles, to be walkable. The semi-flexible panel adheres perfectly to the roof even in areas where there are concave or convex profiles, allowing the optimization of the space that is free for the installation of luggage, antennas or other accessories. The mounting by gluing makes the panel one with the roof, preventing any aerodynamic resistance.

Thanks to this set of peculiarities, the new TELECO TSPF 110W flexible photovoltaic modules guarantee a long life in full efficiency.

IN ADDITION TO THE TELECO TSPF 110W YOU WILL HAVE THE ACCESSORY KIT INCLUDING:

4 ABS-spoiler feet, aluminium cable gland, 10A/12V battery charger regulator for 1 battery, and cleaning and fixing kit (TEROSON MS930).

#### TECHNICAL CHARACTERISTICS SEMI-FLEXIBLE SOLAR PANEL TELECO TSPF 110W

Rated power (Pmax): 110 W  
Rated voltage Pmax (Vmp): 19.0V  
Rated current Pmax (Imp): 5.79A  
Open circuit voltage (Voc): 23.5V  
Short circuit current (Isc): 5.97A  
Module efficiency (η): 16.9%  
Maximum system voltage: 600VDC (IEC)  
Application class: Class A

Maximum overcurrent: 10 A  
Operating temperature: 85% Rh -40°C ~ +85°C  
Nominal cell operating temperature (NOCT): 46 ± 2°C  
Temperature coefficient at Pmax (Pmp): -0.1%/°C  
Temperature coefficient at VOC (Voc): -0.31%/°C  
Temperature coefficient at ISC (Isc): +0.045%/°C  
Top cover: tempered glass/3.2mm Frame: anodized aluminum alloy  
Monocrystalline cells (pcs and dimensions): 36 156x156mm  
Junction box (degree of protection): IP68  
Cable (length/section): 500mm/4mm<sup>2</sup>  
Connector (degree of protection): IP65  
Module dimensions (WxWxH) (without feet): 1216x533x2 mm  
Weight (without feet): 1.8 kg

Are you looking for a product with different characteristics? [HERE](#) you can find the entire TELECO range and other specialized brands.

Images and technical data are not binding and subject to change by the manufacturer.

## Technical Sheet

Nominal voltage $U_{mpp}$ STC 25°C (V)	19.00
Nominal current $I_{mpp}$ STC 25°C (A)	5.79
Net power (kW)	1.1
Length (mm)	1215
Width (mm)	532
Height (mm)	2
Cell composition	Monocrystalline 156x156 mm
Weight (Kg)	1.8