

# Wing100/175-F

## The Lightweight Folding Solar Modules

### Product Description

The new Wing-F foldable module series was developed as a powerful, mobile power source for motorhomes, boats, pedelecs or other applications. The power range extends from 100 to a remarkable 175Wp at only 3.3 or 4.7kg. With the externally attached straps, the modules can be easily mounted on boats, tents or between trees. When folded, they are quite compact due to the triple folding, when unfolded they are slightly larger than a non-foldable solar module of the same power.

With their structured surface and elegant, monocrystalline solar cells, the Wing-F modules are a real eye-catcher. At the same time, they are extremely robust, waterproof and show practically no degradation even after several years of use, partly due to the use of a highly stable fluoropolymer front film. Unlike conventional folding modules, the Wing-F series uses a special, patented glass-fibre embedding that withstands even heavy mechanical loads and vibrations.

The 5m long connection cable with its standard MC4 plugs can be connected directly to a variety of larger 12V power banks and other PV applications. Via an optionally available charge controller, the efficient charging of 12V lead batteries or 12.8V iron phosphate batteries is possible e.g., of on-board batteries in motorhomes or boats. Optionally, Sonnenrepublik also offers large power stations with 12V DC and 230V AC outputs.

### Technical Data

\* at sunshine 1000W/m<sup>2</sup> und 25°C

	Dimensions folded / open (mm)	Weight (kg)	Nominal Power* P <sub>mpp</sub> (Wp)	Rated Voltage* U <sub>mpp</sub> (V)	Charging Current (A) real at 12,6V
<b>Wing100-F</b>	440 x 550 x 18 / 1500 x 550 x 5	3,3	100	19,0	5,4
<b>Wing175-F</b>	540 x 670 x 18 / 2030 x 670 x 5	4,7	175	19,5	9,1

**Connection:** Cable 5,0m / 2x 2,5mm<sup>2</sup> + MC4-Plugs

**Warranty:** 5 years Product guarantee

