

# Wing100-E

## The compact Folding Solar Module

### Product Description

The new Wing100-E foldable solar module was developed as a powerful, mobile power source for motor homes, boats, pedelecs or other applications. With an output of 100Wp, the weight of only 3.5kg is significantly lower than most comparable products. With the integrated eyelets, the modules can be easily mounted on boats, tents or between trees. Folded up, they are quite compact due to the triple folding, unfolded they are slightly larger than a non-foldable solar module of the same power.

With their structured surface and the elegant, monocrystalline solar cells, which here ensure a particularly high module efficiency using the latest shingle technology, the Wing100-E modules are a real eye-catcher. The shingled solar cells also result in increased shading tolerance, as several cell strings are connected in parallel. 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 foil. The reinforcements laminated behind the solar cells give the folding module additional mechanical stability.

The 2m long connection cable with its standard MC4 plugs can be connected directly to a variety of larger 12V power banks and other PV applications. Also integrated in the back pocket are 2 USB-A outputs, one of which even has QC3.0 fast charging. An optionally available charge controller can be used to charge 12V lead batteries or 12.8V iron phosphate batteries, e.g. 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
Wing100-E	420 x 520 x 50 / 1480 x 520 x 5	3,5	100	18,7	5,5

**Connection:** Cable 1,5m / 2x 1,5mm<sup>2</sup> + MC4-Plugs

**Warranty:** 2 years

