

# Wing50-S / Wing100-S

## Foldable High-Power Solar Modules

### Product Description

The new foldable high-performance solar modules Wing50-S and Wig100-S are the powerful mobile power source for motorhomes, boats, e-bikes or other small electric vehicles. A pedelec battery can be fully charged in 4-8 hours. With the 10 large eyelets at the edges, the modules can be easily strapped on boats, tents or even between trees. The Wing50-S has the size of a small briefcase when folded up and is one of the smallest and lightest folding solar chargers in its power category, with a size of approx. 0.3m<sup>2</sup> when unfolded. Also the Wing100-S is with 55 x 30cm surface (folded) still very compact and easy to transport.

With their structured surface and elegant contact-free high-efficiency solar cells, the two modules are real eye-catchers. They are extremely robust, waterproof and show practically no degradation even after several years of use, due to the use of a highly stable fluoropolymer front foil. Unlike conventional modules, the Wing50-S/100-S uses highly efficient and above all break-proof mono-crystalline solar cells in a glass-fiber-reinforced laminate, which still deliver full performance even under strong mechanical stress and vibrations.

The 2m long connection cable can be connected directly to a variety of larger 12V power banks with its standard hollow plug. It is also possible to charge 12V lead batteries or 12.8V iron phosphate batteries, e.g. the on-board battery in a motorhome or boat, using an optionally available charge controller. The charging voltage of the folding modules is higher than the maximum charging voltage of standard batteries, even with strong heating and high outside temperatures, so that safe charging is guaranteed.

### Technical Data

\* at Sunlight 1000W/m<sup>2</sup> and 25°C module temperature

	Dimensions (mm) folded / open	Weight (kg)	Rated power* Pmpp (Wp)	Rated voltage* Umpp (V)	Real current (A) @ 12.6V
<b>Wing50-S</b>	300 x 285 x 30 / 1150 x 285 x 5	2,1	50	18,5	2,8
<b>Wing100-S</b>	300 x 550 x 30 / 1150 x 550 x 5	3,5	100	18,5	5,6

**Connection:** Cable 2m / 2x 1.5mm<sup>2</sup> + DC round plug 5.5/2.1mm

**Warranty:** 2 years, power guarantee 5 years on 90% of rated power



Wing50-S

