

# SSP 100

**Solar Module**  
100W|18.15V|ShingleTechnology

**FLEX** **BLACK EDITION**  
2nd Generation



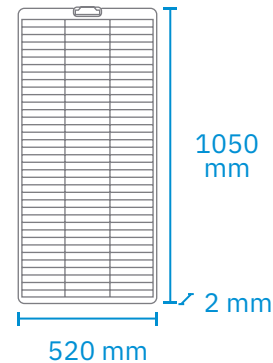
## Electrical Specifications

Rated power	100W
Rated voltage (U <sub>mp</sub> )	18.15V
Rated current (I <sub>mp</sub> )	5.51A
Open-circuit voltage (U <sub>oC</sub> )	21.45V
Short-circuit current (I <sub>sc</sub> )	5.84A
Efficiency	21.4%
Max. system voltage	1000V

## Technical Specifications

Temperature range	- 40°C to + 85°C
Solar cells	Monocrystalline
Dimensions	1050 × 520 × 2 mm
Weight	2.5kg
Junction box	IP67 rated
Cell connection	Shingled technology
Cable length	500mm
Connectors	MC4

## Dimensions



## Warranty\*



\*80% of rated power: 5 years

## Flexibility

Solar modules of the ECTIVE SSP FLEX series are lightweight as well as easy to handle and install. Due to their extreme flexibility, these high quality modules can be easily mounted on curved surfaces such as the top of a caravan or campervan.

### Shingle Technology

In advanced solar modules with shingle technology, the individual solar cells are arranged in a way so that they overlapped slightly - similar to the shingles on a roof. This structure and a special, highly conductive adhesive mean that the conspicuous copper connectors and main conductor tracks of conventional panels are no longer necessary. This results in various advantages:

- approx. 10 % higher area efficiency compared with conventional monocrystalline cells
- increased efficiency in (partial) shade
- lower resistance and higher performance on a smaller area
- no occurrence of hotspots
- Integrated bypass diodes