

# SSP 50



Solar Module | 50 W | 17.58 V | Shingle Technology | 2nd Generation

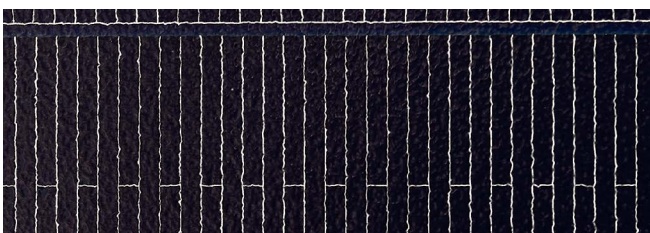
## Electrical Specifications

Rated power	50W
Rated voltage (U <sub>mp</sub> )	17.58V
Rated current (I <sub>mp</sub> )	2.84A
Open-circuit voltage (U <sub>oC</sub> )	20.89V
Short-circuit current (I <sub>sc</sub> )	3.01A
Efficiency	21.4%
Max. system voltage	1000V

## 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:

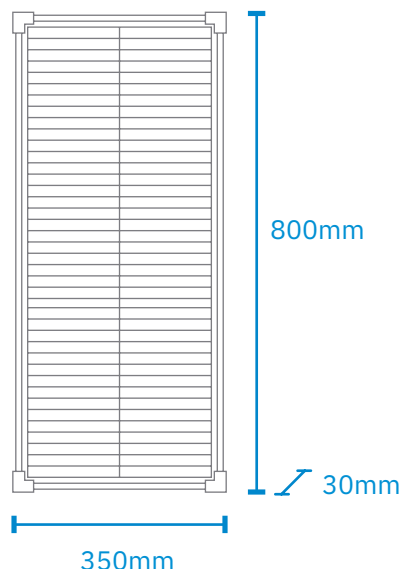
- approx. 10 % higher area efficiency compared with conventional monocrystalline cells
- increased efficiency in (partial) shade
- lower resistance and higher performance on a smaller area
- no occurrence of hotspots
- Integrated bypass diodes



## Technical Specifications

Temperature range	- 40°C to + 85°C
Solar cells	Monocrystalline
Number of cells	64
Dimensions	800 × 350 × 30mm
Weight	3.5kg
Junction box	IP67 rated
Cell connection	Shingle technology
Cable length	500mm
Connectors	MC4

## Dimensions



25

YEARS  
WARRANTY

**ECTIVE Warranty:** At least 80% of the rated power after 25 years.