SSP 50

Solar Module

50W | 17.05V | Shingle Technology

BLACK EDITION

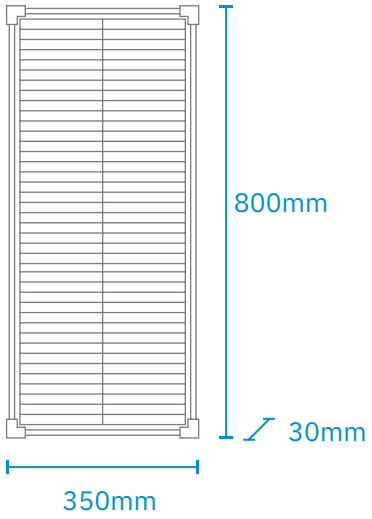
Electrical Specifications

Rated power	50W
Rated voltage (Umpp)	17.05V
Rated current (Impp)	2.9A
Open-circuit voltage (UoC)	20.15V
Short-circuit current (Isc)	3.44A
Efficiency	21.4%
Max. system voltage	1000V

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	Shingled technology
Cable length	500mm
Connectors	MC4

Dimensions



Warranty*

25 YEARS WARRANTY ECTIVE

*80% of rated power: 25 years
90% of rated power: 10 years

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 occurence of hotspots
- Integriated bypass diodes

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