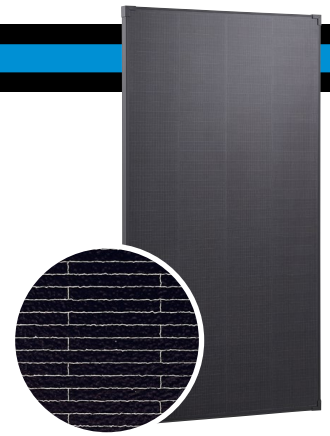


SSP 170

Solar Module
160 W | 22.0 V | Shingle Technology



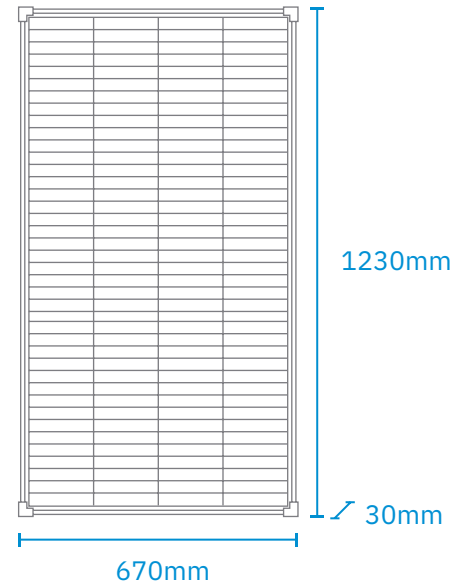
Electrical Specifications

Rated power	170W
Rated voltage (U _{mp})	22.0V
Rated current (I _{mp})	7.73A
Open-circuit voltage (U _o)	26.0V
Short-circuit current (I _{sc})	8.19A
Efficiency	21.4%
Max. system voltage	1000V

Technical Specifications

Temperature range	- 40°C to + 85°C
Solar cells	Monocrystalline
Number of cells	160
Dimensions	1230 × 670 × 30mm
Weight	7.9kg
Junction box	IP67 rated
Cell connection	Shingled technology
Cable length	500mm
Connectors	MC4

Dimensions



Warranty*



*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 occurrence of hotspots
- Integrated bypass diodes