

**BLACK
EDITION**

**LIGHT
WEIGHT**

SSP 120

Lightweight Solar Module
120W | 21.45V | Shingle Technology

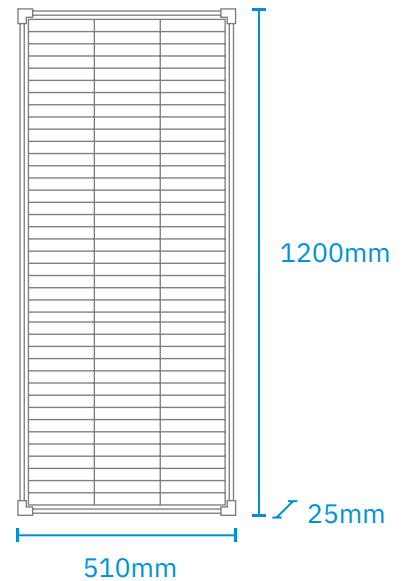
Electrical Specifications

Rated power	120W
Rated voltage (U _{mp})	21.45V
Rated current (I _{mp})	5.59A
Open-circuit voltage (U _{oC})	25.35V
Short-circuit current (I _{sc})	6.1A
Efficiency	21.4%
Max. system voltage	1000V

Technical Specifications

Temperature range	- 40°C to + 85°C
Solar cells	Monocrystalline
Number of cells	120
Dimensions	1200 × 510 × 25mm
Weight	2.9kg
Surface protection	ETFE
Junction box	IP67 rated
Cell connection	Shingled technology
Cable length	500mm
Connectors	MC4

Dimensions



Warranty*



*80% of rated power: 5 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