

**BLACK
EDITION**

**LIGHT
WEIGHT**



SSP 170

Lightweight Solar Module
170W | 22.0V | Shingle Technology

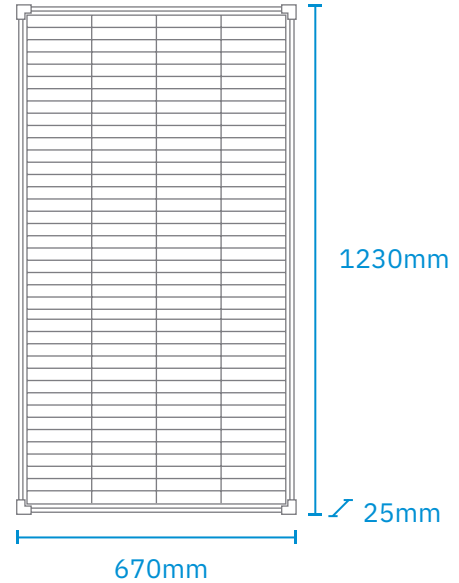
Electrical Specifications

| | |
|--|-------|
| Rated power | 170W |
| Rated voltage (U _{mp}) | 22.0V |
| Rated current (I _{mp}) | 7.73A |
| Open-circuit voltage (U _{oc}) | 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 | 165 |
| Dimensions | 1230 × 670 × 25mm |
| Weight | 3.69kg |
| 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