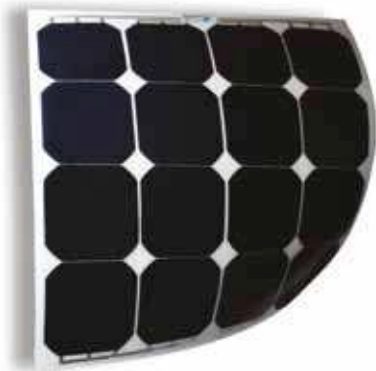


# SOLBIAN FLEX™

FLEXIBLE  
PHOTOVOLTAIC  
PANELS



FLEX SP50-Q



powered by

SUNPOWER

The **PANELS SOLBIANFLEX** of Sun Power series are made with crystalline cells with an **efficiency greater than 22,5%** incorporated in polymers with high-resilience; technology developed in collaboration with **CNR of Parma**. These materials make the panels flexible, walkable with a weight of about 1 / 6 compared to the traditional glass panels. Their specific technologies makes them **particularly resistant to the marine environment** and therefore suitable for application in the marine industry.

The **PANELS SOLBIANFLEX** of Sun Power series are the product of experience installing PV systems on many racing boats of the greatest navigators including:

- ✓ Maserati "VOR 70" of **Giovanni Soldini**
- ✓ 60' Open IMOCA "Safran" of **Marc Guillemot**
- ✓ 60' Open IMOCA "Cervin EnR" of **Yannick Bestaven**
- ✓ "Team Plastique" of **Alessandro di Benedetto**

And many others that are sailing the world from the equator to the poles.

MADE IN ITALY

SOLBIAN.EU

SOLBIAN

## CONNECTION AND FIXING OPTIONS



CONNECTION: JUNCTION BOX



CONNECTION: SOLDERING RIBBON



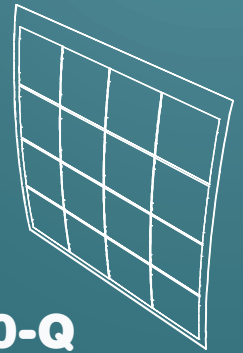
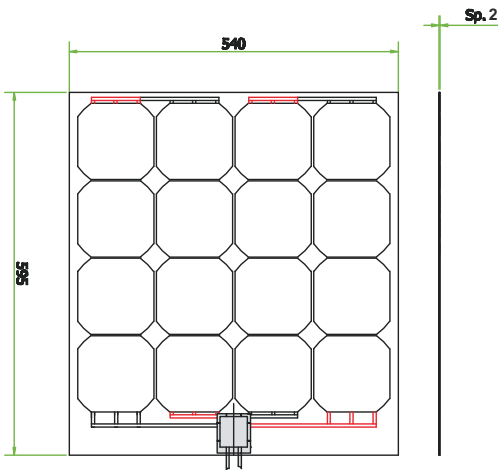
FIXING: DOUBLE SIDED TAPE



FIXING: STAINLESS STEEL EYELETS



FIXING: ZIPPER



**FLEX SP50-Q**

### ELECTRICAL CHARACTERISTICS

|                             |                  |
|-----------------------------|------------------|
| Peak Power (+/- 5%) - Pmax  | <b>51 W</b>      |
| Rated Voltage - Vmp         | <b>9.0 V</b>     |
| Rated Current - Imp         | <b>5.7 A</b>     |
| Open Circuit Voltage - Voc  | <b>10.9 V</b>    |
| Short circuit Current - Isc | <b>6 A</b>       |
| Temp. coeff. Pmax           | <b>-0.38%/°C</b> |
| Temp. coeff. Voc            | <b>-0.27%/°C</b> |
| Temp. coeff. Isc            | <b>0.05%/°C</b>  |

### PHYSICAL CHARACTERISTICS

|               |               |
|---------------|---------------|
| Length        | <b>595 mm</b> |
| Width         | <b>550 mm</b> |
| Thickness     | <b>2 mm</b>   |
| Weight        | <b>0.8 kg</b> |
| Num. of cells | <b>16</b>     |

### WARRANTIES AND CERTIFICATION - Sailboat Series

- ✓ **5 year** limited power warranty
- ✓ **2 year** limited product warranty



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