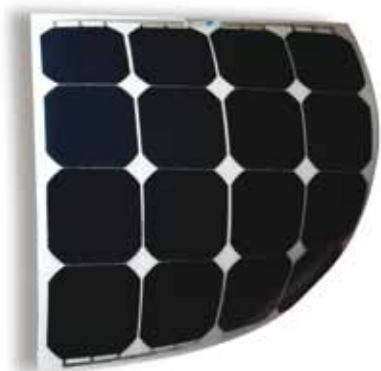


SOLBIANFLEX™

FLEXIBLE
PHOTOVOLTAIC
PANELS

FLEX SP50-Q



The **PANELS SOLBIANFLEX** of series Sun Power are made with crystalline cells with **efficiency greater than 22,5%** embedded in polymers with high-resilience technology developed in collaboration with **CNR of Parma**. These materials make the panels flexible, walkables with a weight of about 1 / 8 compared to traditional glass panels. Their specific technologies makes them **particularly resistant to the marine environment** and therefore suitable for application in the marine industry.

CONNECTION AND FIXING OPTIONS



CONNECTION: JUNCTION BOX



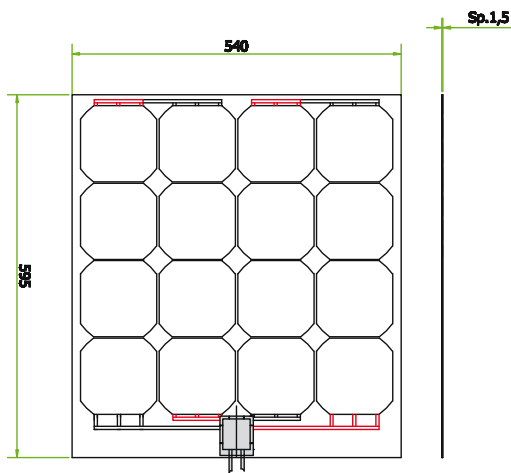
CONNECTION: SOLDERING RIBBON



FIXING: DOUBLE SIDED TAPE



FIXING: METAL HOLE



DATASHEET

PHYSICAL CHARACTERISTICS

Length	595 mm
Height	540 mm
Thickness	1,5 mm
Weight	0,8 kg

ELECTRICAL CHARACTERISTICS

Vmp (max power voltage)	9,2 V
Imp (Max power current)	5,51 A
Wp (peak power at stc)	50,7 W
Voc (Open circuit voltage)	10,88 V
Isc (short circuit current)	5,85 I
Efficiency (module)	16,86%
Max bending	25%

FLEX SP50-Q

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

- ✓ Class 40 "Telecom Italia" of **Giovanni Soldini**
- ✓ 60' Open IMOCA "Safran" of **Marc Guillemot**
- ✓ 60' Open IMOCA "Cervin EnR" of **Yannick Bestaven**

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

SOLBIAN ENERGIE ALTERNATIVE SRL

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