

# SOLBIAN FLEX™

FLEXIBLE  
PHOTOVOLTAIC  
PANELS



## FLEX SP100



powered by

SUNPOWER

The photovoltaic panels of **SP series** are made using **SunPower™** monocrystalline cells, with an **efficiency greater than 22.5%**, incorporated in **polymers with high strenght**.

The **SunPower™** cells, thanks to their "back-contact" technology, have a very pleasant aesthetic appearance, furthermore, they make the **Solbian panels the most efficient on the market**.

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 **SOLBIANFLEX PANELS** 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



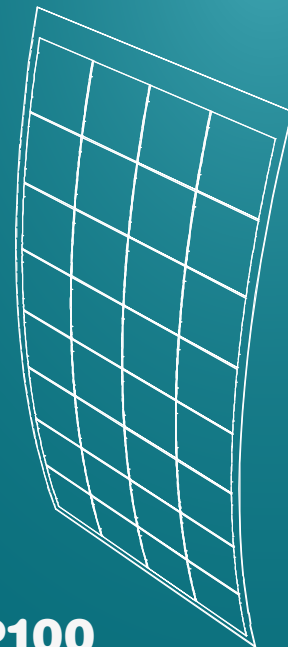
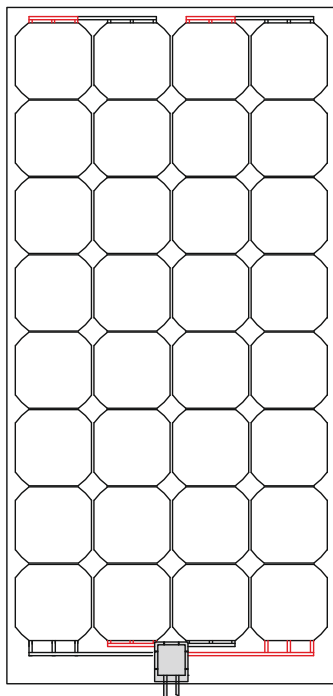
FIXING: DOUBLE SIDED TAPE



FIXING: STAINLESS STEEL EYELETS



FIXING: ZIPPER



## FLEX SP100

### ELECTRICAL CHARACTERISTICS

Peak Power (+/- 5%) - Pmax	<b>102 W</b>
Rated Voltage - Vmp	<b>18.0 V</b>
Rated Current - Imp	<b>5.7 A</b>
Open Circuit Voltage - Voc	<b>21.8 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>1109 mm</b>
Width	<b>546 mm</b>
Thickness	<b>2 mm</b>
Weight	<b>1.5 kg</b>
Num. of cells	<b>32</b>

### WARRANTIES

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



SOLBIAN ENERGIE ALTERNATIVE SRL

Legal and Operative Headquarter: Viale Gandhi 21b - 10051 Avigliana (TO) - ITALY  
 Telephone: +39 011.966.35.12 - Fax: +39 011.966.47.20 - [info@solbian.eu](mailto:info@solbian.eu)