

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**

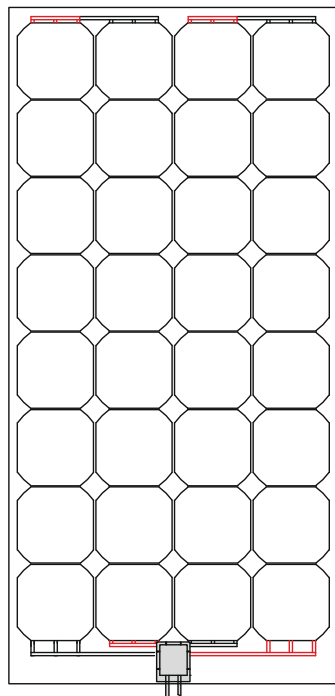
And many others that are sailing the world from the equator to the poles.

MADE IN ITALY

SOLBIAN.EU

SOLBIAN

CONNECTION AND FIXING OPTIONS



CONNECTION: JUNCTION BOX



CONNECTION: SOLDERING RIBBON



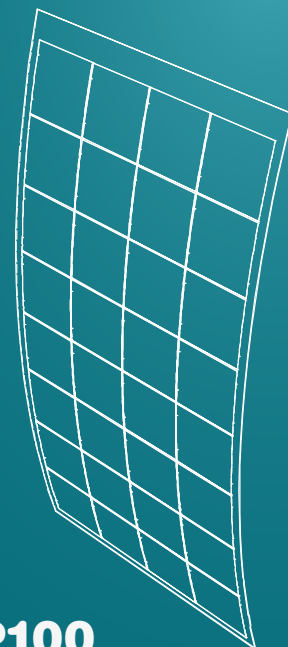
FIXING: DOUBLE SIDED TAPE



FIXING: STAINLESS STEEL EYELETS



FIXING: ZIPPER



FLEX SP100

ELECTRICAL CHARACTERISTICS

Peak Power (+/- 5%) - Pmax	102 W
Rated Voltage - Vmp	18.0 V
Rated Current - Imp	5.7 A
Open Circuit Voltage - Voc	21.8 V
Short circuit Current - Isc	6 A
Temp. coeff. Pmax	-0.38%/°C
Temp. coeff. Voc	-0.27%/°C
Temp. coeff. Isc	0.05%/°C

PHYSICAL CHARACTERISTICS

Length	1109 mm
Width	546 mm
Thickness	2 mm
Weight	1.5 kg
Num. of cells	32

WARRANTIES

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

