

SOLBIAN FLEX™

FLEXIBLE
PHOTOVOLTAIC
PANELS



FLEX SP50-L



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 "backcontact" 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 **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

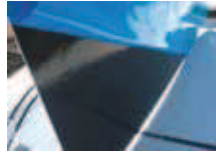
CONNECTION AND FIXING OPTIONS



CONNECTION: JUNCTION BOX



CONNECTION: SOLDERING RIBBON



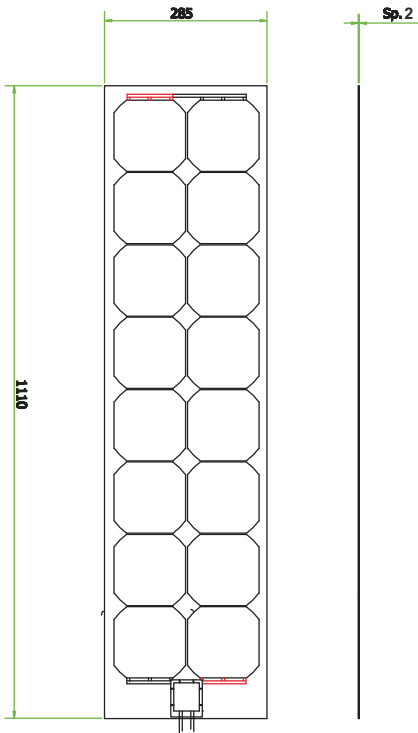
FIXING: DOUBLE SIDED TAPE



FIXING: STAINLESS STEEL EYELETS



CONNECTION: ZIPPER



FLEX SP50-L

ELECTRICAL CHARACTERISTICS

Peak Power (+/- 5%) - Pmax	51 W
Rated Voltage - Vmp	9.0 V
Rated Current - Imp	5.7 A
Open Circuit Voltage - Voc	10.9 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	1110 mm
Width	295 mm
Thickness	2 mm
Weight	0.8 kg
Num. of cells	16

WARRANTIES AND CERTIFICATION - Sailboat Series

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



SOLBIAN ENERGIE ALTERNATIVE SRL

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