

Power at the highest level.

SP Series



SP series is at the top of the range, thanks to the use of selected SunPower™ monocrystalline silicon cells, reaching a record 23% conversion of sunlight into electricity and with a pleasant appearance thanks to back-contact technology which hides the electrical contacts. SunPower™ cells represent the most advanced available technology on the market, and make the SP Solbian panels the highest-efficiency flexible panels.

	Lenght	Width	Thickness	Weight	Peak Power	Rated Voltage	Rated Current	N. of Cells	Price €/Wp	Price (including VAT)
SP 125	1363 mm	546 mm	2 mm	1.7 kg	125 W	22.0 V	5.7 A	40	8	€ 1.240,00
SP 112 L	1236 mm	546 mm	2 mm	1.6 kg	112 W	19.7 V	5.7 A	36	8	€ 1.111,00
SP 112 Q	855 mm	800 mm	2 mm	1.6 kg	112 W	19.7 V	5.7 A	36	8	€ 1.111,00
SP 100	1109 mm	546 mm	2 mm	1.4 kg	102 W	18.0 V	5.7 A	32	8	€ 1.012,00
SP 75	855 mm	546 mm	2 mm	1.1 kg	76 W	13.4 V	5.7 A	24	8	€ 754,00
SP 50 L	1109 mm	292 mm	2 mm	0.8 kg	51 W	9.0 V	5.7 A	16	8	€ 506,00
SP 50 Q	601 mm	546 mm	2 mm	0.8 kg	51 W	9.0 V	5.7 A	16	8	€ 506,00

Super Rugged Series.

SR Series



The monocrystalline high efficiency SR cells are sandwiched by two patented metallic grids. The grid on the front is carefully tailored to optimize the current harvesting, while the one behind the cell offers strong mechanical support. The grids essentially form a double shield that acts as a conducting reinforcement to the solar cell. Extreme crack and bend tolerance are built in, enabling novel crystalline silicon architectures. A guaranty of high efficiency and unmatched durability in flexible solar panels.

	Lenght	Width	Thickness	Weight	Peak Power	Rated Voltage	Rated Current	N. of Cells	Price €/Wp	Price (including VAT)
SR 156 L	1523 mm	683 mm	2 mm	2.4 kg	156 W	18.0 V	8.6 A	36	6	€ 1.161,00
SR 156 Q	1046 mm	996 mm	2 mm	2.4 kg	156 W	18.0 V	8.6 A	36	6	€ 1.161,00
SR 104	1046 mm	683 mm	2 mm	1.6 kg	104 W	12.0 V	8.6 A	24	6	€ 774,00
SR 70 L	1364 mm	365 mm	2 mm	1.2 kg	70 W	8.0 V	8.6 A	16	6	€ 521,00
SR 70 Q	728 mm	683 mm	2 mm	1.2 kg	70 W	8.0 V	8.6 A	16	6	€ 521,00
SR 60	1205 mm	365 mm	2 mm	1 kg	61 W	7.0 V	8.6 A	14	6	€ 454,00

Aesthetics, reliability and price.

SXp Series



The polycrystalline solar cells used in the SXp series are electrically connected using ultra-thin copper wires that form a very fine mesh on the cell surface, resulting in thousands of contact connected points. This alternative to the standard bus-bar method allows a higher module power and increases the energy yield. This technology is optimally suited to flexible modules, due to its intrinsic insensitivity to micro-cracks, that are the most common cause of energy loss in solar modules. Another advantage is a reduced sensitiveness to shading, a quite important issue in marine and mobility applications. The new connection technology, together with the use of high efficiency polycrystalline silicon cells, makes SXp panels especially powerful and reliable.

	Lenght	Width	Thickness	Weight	Peak Power	Rated Voltage	Rated Current	N. of Cells	Price €/Wp	Price (including VAT)
SXp 145 L	1523 mm	683 mm	2 mm	2.4 kg	145 W	18.0 V	8.1 A	36	4	€ 719,00
SXp 145 Q	1046 mm	996 mm	2 mm	2.4 kg	145 W	18.0 V	8.1 A	36	4	€ 719,00
SXp 96	1046 mm	683 mm	2 mm	1.6 kg	96 W	12.0 V	8.1 A	24	4	€ 476,00
SXp 64 L	1364 mm	365 mm	2 mm	1.2 kg	64 W	8.0 V	8.1 A	16	4	€ 317,00
SXp 64 Q	728 mm	683 mm	2 mm	1.2 kg	64 W	8.0 V	8.1 A	16	4	€ 317,00
SXp 56	1205 mm	365 mm	2 mm	1 kg	56 W	7.0 V	8.1 A	14	4	€ 278,00

Embed solar in your structure.

Surface Mounting (SM) option

SolbianflexSM panels will become part of your boat deck, of your caravan roof or your golf cart hard-top. The SM option consists of a textured surface and of a safe and durable electrical connection via moisture-resistant cables. A custom-made grommet offers a perfect sealing of the electrical contacts and avoids chafing of the cables. Last but not least, SM panels can be offered with ready-to-use structural adhesive. The external layer of the new front, made by a highly technical fluorinated polymer, assures UV and scratch resistance, and excellent light transmission.

SM options is free of charge for the SP series panels.

An overcharge of 20% will be calculated if requested on SR or SXp series.

The most advanced solar USB charger in the market
Energy Flyer

Price (including VAT) **€ 149,00**



SOLBIAN.SOLAR





ALLinONE Series

The SP series, top of the Solbianflex range, in a new ALLinONE version: solar panel + charge controller. All the electronics you need is already packed into the rugged waterproof metal box: a sophisticated MPPT controller capable of boosting the voltage for a perfect fit to your battery.

	Lenght	Width	Thickness	Weight	Peak Power	Battery Voltage	Maximum Current	N. of Cells	Price (including VAT)
SP 72	855 mm	546 mm	15 mm	1,2 kg	72 W	12/24 V	6/3 A	23	€ 744,00
SP 47L	1109 mm	292 mm	15 mm	0,9 kg	47 W	12/24 V	4/2 A	15	€ 527,00
SP 47Q	601 mm	546 mm	15 mm	0,9 kg	47 W	12/24 V	4/2 A	15	€ 527,00
SP 23	600 mm	292 mm	15 mm	0,6 kg	23 W	12/24 V	2/1 A	7	€ 316,00

Controllers

	MPPT	Type	MAX Panel Power	MIN Panel Voltage	MAX Current	Battery Type	Battery voltage	Price (including VAT)
WRM15	Y	D	225W (12V) / 450W (24V)	>battery voltage	15 A	Pb/Li*	12 / 24	€ 198,00
WRM30 (double MPPT)	Y	D	450W (12V) / 900W (24V) / 1800W (48V)	>battery voltage	30 A	Pb/Li*	12 / 24 / 48	€ 511,00
WMarine10	Y	U/D	120W (12V) / 220W (24V)	5V (12V) / 10V (24V)	10 A	Pb/Li*	12 / 24	€ 224,00
GV-10 Pb	Y	D	140 W	>battery voltage	10,5 A	Pb	12	€ 154,00
GV-10/12-14-16	Y	D	120W / 140W / 160W	>battery voltage	10,5 A	Li	12.5 / 14.2 / 16.7	€ 229,00
GV-Boost 8/12	Y	U	105 W	5 V	8 A	Pb	12	€ 161,00
GV-Boost 8/14	Y	U	105 W	5 V	8 A	Li	14.2	€ 215,00
GV-Boost 8/24	Y	U	210 W	5 V	8 A	Pb	24	€ 228,00
GV-Boost 8/28	Y	U	210 W	5 V	8 A	Li	28.4	€ 310,00
GV-Boost 8/48	Y	U	350 W	5 V	8 A	Pb	48	€ 255,00
GV-Boost 8/56	Y	U	350 W	5 V	8 A	Li	56.8	€ 324,00
BlueSolar 75/15	Y	D	200W (12V) / 400W (24V)	>battery voltage	15 A	Pb	12 / 24	€ 118,00
BlueSolar 100/30	Y	D	440W (12V) 880W (24V)	>battery voltage	30 A	Pb	12 / 24	€ 260,00
BlueSolar 100/50	Y	D	700W (12V) / 1400W (24V)	>battery voltage	50 A	Pb	12 / 24	€ 391,00
Ctek D250 S Dual	Y	D	250 W	15 (22V Max)	20 A	Pb	12	€ 367,00

Legend: U= Step up; D= Step down; U/D= Mixed

* Lithium batteries must have the integrated Battery Management System (BMS)

Accessories

	Price (including VAT)
Junction Box	Junction box applied to the panels to allow electrical connection 0,00 (**)
Adhesive	Double-sided adhesive tape for a permanent bonding € 37,00
Steel Eyelets	Eyelets realized on the edges of the panel € 25,00
LOXX fastener	Strap buttons that allow easy installation and removal of the panel (each) € 9,80
Zipper	Zipper sewn on the edge of the panel € 112,00
Connectors	To realize the electrical connection to the junction box (a pair) € 9,80
Diode connector	Blocking diode for parallel panels connection (each) € 7,50
Deck seals	With two connectors incorporated, allows a removable installation, with a safe and elegant solution for the cables € 56,00
Cables	Extension cables for the wiring (€/meter) € 2,40
Watt Meter	Measures energy (Wh), current (A), power (W) and voltage (V) of the system € 43,00

** Junction box or back wiring is included in the panel price

