

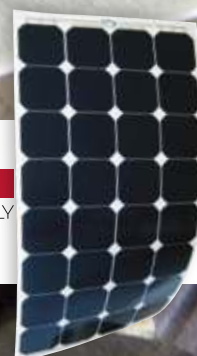


Price List 2018



SOLBIAN
FREEDOM POWERED BY THE SUN


MADE IN ITALY



SOLBIAN.SOLAR

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.

	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Rated Voltage (V)	Rated Current (A)	N. of Cells	Price €/Wp	Price € (incl. VAT)
SP 144	1490	546	2	1.9	144	25.3	5.7	44	9,90	1425.60
SP 130	1363	546	2	1.7	130	22.8	5.7	40	9,90	1287.00
SP 118 L	1236	546	2	1.6	118	20.7	5.7	36	9,90	1168.20
SP 118 Q	855	800	2	1.6	118	20.7	5.7	36	9,90	1168.20
SP 104	1109	546	2	1.4	104	18.2	5.7	32	9,90	1029.60
SP 78	855	546	2	1.1	78	13.7	5.7	24	9,90	772.20
SP 52 L	1109	292	2	0.8	52	9.1	5.7	16	9,90	514.80
SP 52 Q	601	546	2	0.8	52	9.1	5.7	16	9,90	514.80

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.

	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Rated Voltage (V)	Rated Current (A)	N. of Cells	Price €/Wp	Price € (incl. VAT)
SR 160 L	1523	683	2	2.4	160	18.6	8.6	36	7,45	1192.00
SR 160 Q	1046	996	2	2.4	160	18.6	8.6	36	7,45	1192.00
SR 144	1364	683	2	2.1	144	16.7	8.6	32	7,45	1072.80
SR 108	1046	683	2	1.7	108	12.6	8.6	24	7,45	804.60
SR 72 L	1364	365	2	1.2	72	8.4	8.6	16	7,45	536.40
SR 72 Q	728	683	2	1.2	72	8.4	8.6	16	7,45	536.40
SR 62	1205	365	2	1.1	62	7.2	8.6	14	7,45	461.90

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.

	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Rated Voltage (V)	Rated Current (A)	N. of Cells	Price €/Wp	Price € (incl. VAT)
SXp 154 L	1523	683	2	2.4	154	18.2	8.45	36	4,95	762.30
SXp 154 Q	1046	996	2	2.4	154	18.2	8.45	36	4,95	762.30
SXp 136	1364	683	2	2.1	136	16.1	8.45	32	4,95	673.20
SXp 102	1046	683	2	1.7	102	12.1	8.45	24	4,95	504.90
SXp 68 L	1364	365	2	1.2	68	8.0	8.45	16	4,95	336.60
SXp 68 Q	728	683	2	1.2	68	8.0	8.45	16	4,95	336.60
SXp 60	1205	365	2	1.1	60	7.1	8.45	14	4,95	297.00

Invisible Solar Panel.

ISP Series



Thanks to the top efficiency of SunPower™ cells and to the breakthrough technology offered by ILOOXs, the new Solbianflex series offers the same quality of SP series with a completely new and customizable look. Readily available in two standard versions: TEAK and CANVAS, the ISP series can be extended to satisfy the customer's desires.

	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Rated Voltage (V)	Rated Current (A)	N. of Cells	Price €/Wp	Price € (incl. VAT)
ISP 114	1490	546	2	1.9	114	25.0	4.56	44	19,85	2262.90
ISP 104	1363	546	2	1.7	104	22.8	4.56	40	19,85	2064.40
ISP 94 L	1236	546	2	1.6	94	20.6	4.56	36	19,85	1865.90
ISP 94 Q	855	800	2	1.6	94	20.6	4.56	36	19,85	1865.90
ISP 83	1109	546	2	1.4	83	18.2	4.56	32	19,85	1647.55
ISP 62	855	546	2	1.1	62	13.6	4.56	24	19,85	1230.70
ISP 42 L	1109	292	2	0.8	42	9.2	4.56	16	19,85	833.70



ALLinONE Series



The ALLinONE series: solar panel + charge controller. To make solar energy simpler, suitable for the enthusiast as well as the professional user. All the electronics you need are already packed into the rugged waterproof box: a sophisticated MPPT controller capable of boosting the voltage to match with your battery pack. Available for lead and lithium batteries.

	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Battery Voltage (V)	Maximum Current (A)	N. of Cells	Price € (incl. VAT)
SP 72 AiO	855	546	15	1.2	72	12/24	6/3	23	744.00
SP 47 L AiO	1109	292	15	0.9	47	12/24	4/2	15	496.00
SP 47 Q AiO	601	546	15	0.9	47	12/24	4/2	15	496.00
SP 23 AiO	600	292	15	0.6	23	12/24	2/1	7	248.00

	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Battery Voltage (V)	Maximum Current (A)	N. of Cells	Price € (incl. VAT)
SR 104 AiO	1046	683	15	1.7	104	12/24	8.6/4.3	23	806.00
SR 68 L AiO	1364	365	15	1.3	68	12/24	5.6/2.8	15	545.60
SR 68 Q AiO	728	683	15	1.3	68	12/24	5.6/2.8	15	545.60

	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Battery Voltage (V)	Maximum Current (A)	N. of Cells	Price € (incl. VAT)
SXp 98 AiO	1046	683	15	1.7	98	12/24	8/4	23	545.60
SXp 64 L AiO	1364	365	15	1.3	64	12/24	5.2/2.6	15	384.40
SXp 64 Q AiO	728	683	15	1.3	64	12/24	5.2/2.6	15	384.40



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 option is free of charge for the SP and SR series. An overcharge of 20% will be calculated if requested on SXp series.



The most advanced solar USB charger on the market

Energy Flyer

Energy Flyer is the most advanced solar USB charger on the market. The perfect choice for people who need energy without compromises, in the most critical missions, for leisure or work.

Price (incl. VAT) € **125.00**

MPPT Controllers

	Type	Bluetooth	MAX Panel Power	Min Panel Voltage	MAX Panel Voltage	MAX Current	Battery Type*	Battery Voltage	Price € (incl. VAT)
WESTERN WMARINE10	U/D	N	120 W (12 V) / 220 W (24 V)	5 V (12 V) / 10 V (24 V)	40 V	10 A	Pb/Li	12 / 24	218.00
WESTERN WRM20	D	N	310 W (12 V) / 620 W (24 V)	18 V (12 V) / 32 V (24 V)	100 V	20 A	Pb/Li	12 / 24	192.00
WESTERN WRM30 (DOUBLE MPPT)	D	N	450 W (12 V) / 900 W (24 V) / 1800 W (48 V)	18 V (12 V) / 32 V (24 V) / 62 V (48 V)	150 V	30 A	Pb/Li	12 / 24 / 48	477.50
WESTERN WRM15 DUALB (2 BATT.)	D	Y	250 W (12 V) / 500 W (24 V)	18 V (12 V) / 32 V (24 V)	100 V	15 A	Pb/Li	12 / 24	332.50
GENASUN GV-10/12	D	N	140 W	18 V	34 V	10.5 A	Pb	12.5 / 14.2 / 16.7	131.00
GENASUN GV-10/12-14-16	D	N	120 W / 140 W / 160 W	16 V / 18 V / 20 V	34 V	10.5 A	Li	12.5 / 14.2 / 16.7	176.50
GENASUN GV-BOOST 8/12 ***	U	N	105 W	5 V	60 V	8 A	Pb	12	161.00
GENASUN GV-BOOST 8/14	U	N	105 W	5 V	60 V	8 A	Li	14.2	195.50
GENASUN GV-BOOST 8/24	U	N	210 W	5 V	60 V	8 A	Pb	24	209.00
GENASUN GV-BOOST 8/28	U	N	210 W	5 V	60 V	8 A	Li	28.4	248.50
GENASUN GV-BOOST 8/48	U	N	350 W	5 V	60 V	8 A	Pb	48	209.00
GENASUN GV-BOOST 8/56	U	N	350 W	5 V	60 V	8 A	Li	56.8	248.50
VICTRON BLUESOLAR 75/15	D	Y**	200 W (12 V) / 400 W (24 V)	18 V (12 V) / 32 V (24 V)	75 V	15 A	Pb/Li	12 / 24	118.00
VICTRON BLUESOLAR 100/30	D	Y**	440 W (12 V) 880 W (24 V)	18 V (12 V) / 32 V (24 V)	100 V	30 A	Pb/Li	12 / 24	264.00
VICTRON BLUESOLAR 150/35	D	Y**	500 W (12 V) / 1000 W (24 V) / 2000 W (48 V)	18 V (12 V) / 32 V (24 V) / 62 V (48 V)	150 V	35 A	Pb/Li	12 / 24 / 48	396.00
VICTRON BLUESOLAR 100/50	D	Y**	700 W (12 V) / 1400 W (24 V)	18 V (12 V) / 32 V (24 V)	100 V	50 A	Pb/Li	12 / 24	396.00
VICTRON SMARTSOLAR 75/15	D	Y	200 W (12 V) / 400 W (24 V)	18 V (12 V) / 32 V (24 V)	75 V	15 A	Pb/Li	12 / 24	158.50
VICTRON SMARTSOLAR 100/30	D	Y	440 W (12 V) 880 W (24 V)	18 V (12 V) / 32 V (24 V)	100 V	30 A	Pb/Li	12 / 24	304.00
VICTRON SMARTSOLAR 150/35	D	Y	500 W (12 V) / 1000 W (24 V) / 2000 W (48 V)	18 V (12 V) / 32 V (24 V) / 62 V (48 V)	150 V	35 A	Pb/Li	12 / 24 / 48	436.00
VICTRON SMARTSOLAR 100/50	D	Y	700 W (12 V) / 1400 W (24 V)	18 V (12 V) / 32 V (24 V)	100 V	50 A	Pb/Li	12 / 24	436.00
CTEK D250SA (2 BATT.)	D	N	250 W	15 V	23 V	20 A	Pb	12	439.00
VICTRON VE.DIRECT BLUETOOTH DONGLE	Tool allowing Victron BlueSolar to communicate with a smartphone								66.00

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

** With optional bluetooth accessory

*** The Genasun GV-BOOST controllers are available in waterproof version: add € 40

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

Options

	Description	Price € (incl. VAT)
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
Stiffening	Mechanical stiffening via fiberglass bars or Forex sheets	56.00
Connectors	To realize the electrical connection to the junction box (a pair)	9.80
Y connectors	To connect in parallel two panels (each)	12.50
Diode connector	Blocking diode for parallel panels connection (each)	9.80
Deck seals	Two MC4 connectors in a waterproof base-plate for a removable, waterproof connection through decks	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	45.00
Circuit breaker	To protect your circuit. Available in different sizes (20/40/50 A)	24.90