

# Price list 2023

**SOLBIAN**  
FREEDOM POWERED BY THE SUN

  
MADE IN ITALY



[SOLBIAN.EU](https://www.solbian.eu)

## SOLBIAN PRICE LIST

VALID FROM JANUARY 2023

Power at the highest level

### SP Series



The SP series is at the top of the range, thanks to the use of Maxeon back-contact solar cells, able to convert up to 25.5% of sunlight into electricity and with a pleasant appearance thanks to the electrical contacts hidden on the back. Back-contact cells represent the most advanced 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 € (excluding VAT)*
<b>SP 144</b>	1490	546	2	2	144	25,3	5,7	44	7,5	1080
<b>SP 130</b>	1363	546	2	1,8	130	22,8	5,7	40	7,5	975
<b>SP 118 L</b>	1236	546	2	1,6	118	20,7	5,7	36	7,5	885
<b>SP 118 Q</b>	855	800	2	1,6	118	20,7	5,7	36	7,5	885
<b>SP 104</b>	1109	546	2	1,5	104	18,2	5,7	32	7,5	780
<b>SP 78</b>	855	546	2	1,1	78	13,7	5,7	24	7,5	585
<b>SP 52 L</b>	1109	292	2	0,8	52	9,1	5,7	16	7,5	390
<b>SP 52 Q</b>	601	546	2	0,8	52	9,1	5,7	16	7,5	390

MAXEON is a registered trademark of Maxeon Solar Technologies, Ltd., in the United States of America and other countries.

Super rugged series

### SR Series



The monocrystalline high efficiency SR cells are sandwiched by two patented metallic grids. The metallic grid on the front of the cell is specifically designed to maximize the current harvesting. On the rear of the cell a second grid provides extreme resistance to cracks and over-bending. 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, providing a guarantee of high efficiency and unmatched durability.

	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Rated Voltage (V)	Rated Current (A)	N. of Cells	Price €/Wp	Price € (excluding VAT)*
<b>SR 240</b>	1364	994	2	3,3	240	26,4	9,1	48	5,5	1320
<b>SR 180 L</b>	1523	683	2	2,5	180	19,8	9,1	36	5,5	990
<b>SR 180 Q</b>	1046	994	2	2,5	180	19,8	9,1	36	5,5	990
<b>SR 160</b>	1364	683	2	2,2	160	17,6	9,1	32	5,5	880
<b>SR 120</b>	1046	683	2	1,7	120	13,2	9,1	24	5,5	660
<b>SR 80 L</b>	1364	365	2	1,2	80	8,8	9,1	16	5,5	440
<b>SR 80 Q</b>	728	683	2	1,2	80	8,8	9,1	16	5,5	440
<b>SR 70</b>	1205	365	2	1,1	70	7,7	9,1	14	5,5	385

Aesthetics, reliability and price

### SX Series



In the SX series the monocrystalline solar cells are electrically connected using ultra-thin copper wires that form a very fine mesh on the cell surface, resulting in thousands of contact points. This alternative to the standard bus-bar method allows a higher module power and increases the energy yield. A technology optimally suited to flexible modules, thanks 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, pushed to the extreme in the Guardian (G) models where several bypass diodes are inserted thanks to an innovative cell layout. The new connection technology, together with the use of high efficiency silicon cells, make SX 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 € (excluding VAT)*
<b>SX 236</b>	1364	994	2	3,3	236	26,7	8,85	48	4,5	1062
<b>SX 176 L</b>	1523	683	2	2,5	176	19,9	8,85	36	4,5	792
<b>SX 176 Q</b>	1046	994	2	2,5	176	19,9	8,85	36	4,5	792
<b>SX 176 G</b>	1075	994	2	2,6	176	19,9	8,85	36	6	1056
<b>SX 156</b>	1364	683	2	2,2	156	17,6	8,85	32	4,5	702
<b>SX 118</b>	1046	683	2	1,7	118	13,3	8,85	24	4,5	531
<b>SX 118 G</b>	754	1016	2	1,8	118	13,3	8,85	24	6	708
<b>SX 78 L</b>	1364	365	2	1,2	78	8,8	8,85	16	4,5	351
<b>SX 78 Q</b>	728	683	2	1,2	78	8,8	8,85	16	4,5	351
<b>SX 68</b>	1205	365	2	1,1	68	7,7	8,85	14	4,5	306

\* Fixing accessories and other options are not included in the price



## ALLinONE Solution



The ALLinONE solution: solar panel and 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 € (excluding VAT)*
<b>SP 60 AiO</b>	728	546	15	1,1	60	12/24	5/2,5	19	530
<b>SP 47 L AiO</b>	1109	292	15	0,9	47	12/24	4/2	15	433
<b>SP 47 Q AiO</b>	601	546	15	0,9	47	12/24	4/2	15	433
<b>SP 23 AiO</b>	600	292	15	0,6	23	12/24	2/1	7	253

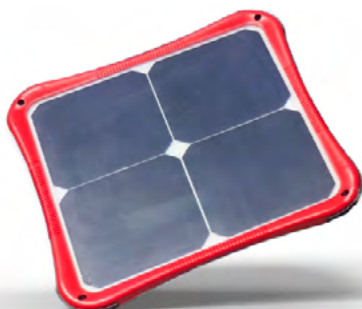
	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Battery Voltage (V)	Maximum Current (A)	N. of Cells	Price € (excluding VAT)*
<b>SR 95 AiO</b>	885	683	15	1,7	95	12/24	8/4	19	603
<b>SR 75 L AiO</b>	1364	365	15	1,3	75	12/24	6/3	15	493
<b>SR 75 Q AiO</b>	728	683	15	1,3	75	12/24	6/3	15	493

	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Peak Power (W)	Battery Voltage (V)	Maximum Current (A)	N. of Cells	Price € (excluding VAT)*
<b>SX 92 AiO</b>	885	683	15	1,7	92	12/24	8/4	19	494
<b>SX 75 L AiO</b>	1364	365	15	1,3	72	12/24	5/3	15	404
<b>SX 75 Q AiO</b>	728	683	15	1,3	72	12/24	5/3	15	404

\* Fixing accessories and other options are not included in the price

## Accessories

	Description	Price € (excluding VAT)
<b>Adhesive</b>	Double-sided adhesive tape for a permanent bonding	30
<b>Steel eyelets</b>	Eyelets realized on the edges of the panel	20
<b>LOXX fasteners</b>	Strap buttons that allow easy installation and removal of the panel (each)	8
<b>Zipper</b>	Zipper sewn on the edge of the panel	90
<b>Stiffening</b>	Mechanical stiffening via fiberglass bars or Forex sheets	45
<b>Connectors</b>	To realize the electrical connection to the junction box (a pair)	8
<b>Y connector</b>	To connect in parallel two panels (each)	10
<b>Diode connector</b>	Blocking diode for parallel panels connection (each)	8
<b>Deck seals</b>	With two connectors incorporated, allows a removable installation, with a safe and elegant solution for the cables	45
<b>Cables</b>	Extension cables for the wiring (€/meter)	2
<b>Circuit breaker</b>	To protect your circuit. Available in different sizes (20/40/50 A)	20



## The most advanced solar USB charger in the market Energy Flyer

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

Price (excluding VAT) **€ 99.00**

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## Charge controllers

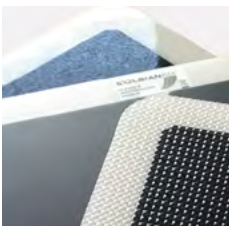
Victron SmartSolar controllers can be controlled by your smartphone. Lithium batteries must have an integrated Battery Management System (BMS). Genasun controllers can be customized on request.

		Type	Bluetooth	MAX Panel Power	Min Panel Voltage	MAX Panel Voltage	MAX Current	Battery Type	Battery Voltage	Price € (excluding VAT)	
<b>Western</b>	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	€ 151,00	
<b>Western</b>	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	€ 153,00	
<b>Western</b>	WRM20+ (WDR compatible)	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	€ 177,00	
<b>Western</b>	WRM30+ (WDR compatible)	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	€ 361,00	
<b>Western</b>	WRM15 dualB-E (2 batt.)	D	S	250 W (12 V) / 500 W (24 V)	18 V (12 V) / 32 V (24 V)	100 V	15 A	Pb/Li	12 / 24	€ 223,00	
<b>Western</b>	WRM15 dualB (2 batt.)	D	S	250 W (12 V) / 500 W (24 V)	18 V (12 V) / 32 V (24 V)	100 V	15 A	Pb/Li	12 / 24	€ 262,00	
<b>Genasun</b>	GV-10-Pb-12V	D	N	140 W	18 V	34 V	10.5A	Pb	12 V	€ 114,00	
<b>Genasun</b>	GV-10-Li-14.2V	D	N	140 W	20 V	34 V	10.5A	4S LiFePO4	12 V	€ 147,00	
<b>Genasun</b>	GVB-8-Pb-12V**	U	N	105 W	5 V	60 V	8 A (input)***	12V	12 V	€ 136,00	
<b>Genasun</b>	GVB-8-Li-14.2V**	U	N	105 W	5 V	60 V	8 A (input)***	4S LiFePO4	12 V	€ 163,00	
<b>Genasun</b>	GVB-8-Pb-24V**	U	N	210 W	5 V	60 V	8 A (input)***	24V	24 V	€ 174,00	
<b>Genasun</b>	GVB-8-Li-28.8V**	U	N	210 W	5 V	60 V	8 A (input)***	8S LiFePO4	24 V	€ 207,00	
<b>Genasun</b>	GVB-8-Pb-36V**	U	N	325 W	5 V	60 V	8 A (input)***	36V	36 V	€ 174,00	
<b>Genasun</b>	GVB-8-Li-41.7V**	U	N	325 W	5 V	60 V	8 A (input)***	10S Li-ion*	36 V	€ 207,00	
<b>Genasun</b>	GVB-8-Pb-48V**	U	N	350 W	5 V	60 V	8 A (input)***	48V	48 V	€ 174,00	
<b>Genasun</b>	GVB-8-Li-56.8V**	U	N	350 W	5 V	60 V	8 A (input)***	16S LiFePO4	48 V	€ 207,00	
<b>Genasun</b>	GVB-8-Li-42.6V-WP	U	N	325 W	5 V	60 V	8 A (input)***	12S LiFePO4	36 V	€ 223,00	
<b>Genasun</b>	GVB-8-Li-50.0V-WP	U	N	350 W	5 V	60 V	8 A (input)***	12S Li-ion*	48 V	€ 223,00	
<b>Genasun</b>	GVB-8-Li-54.6V-WP	U	N	350 W	5 V	60 V	8 A (input)***	13S Li-ion*	48 V	€ 223,00	
<b>Genasun</b>	GVB-8-Li-58.4V-WP	U	N	350 W	5 V	60 V	8 A (input)***	14S Li-ion*	48 V	€ 223,00	
<b>Victron</b>	SmartSolar 75/15	D	S	220 W (12 V) / 440 W (24 V)	18 V (12 V) / 32 V (24 V)	75 V	15 A	Pb/Li	12 / 24	€ 138,00	
<b>Victron</b>	SmartSolar 100/20	D	S	290 W (12 V) / 580 W (24 V) / 1160 W (48 V)	18 V (12 V) / 32 V (24 V) / 62 V (48 V)	100 V	20 A	Pb/Li	12 / 24 / 48	€ 184,00	
<b>Victron</b>	SmartSolar 100/30	D	S	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	
<b>Victron</b>	SmartSolar 150/35	D	S	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	€ 379,00	
<b>Victron</b>	SmartSolar 100/50	D	S	700 W (12 V) / 1400 W (24 V)	18 V (12 V) / 32 V (24 V)	100 V	50 A	Pb/Li	12 / 24	€ 379,00	
<b>Victron</b>	Smart Battery Sense		S	Victron SmartSolar battery monitor							€ 46,00
<b>Victron</b>	MPPT Control	Controller monitor with VE-Direct port								€ 92,00	
<b>Victron</b>	VE.Direct cable	VE-Direct cable: 0,9 - 3 - 5 meters								€ 21,00	

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

\* Li-ion includes LiPO, LiCoO<sub>2</sub>, LiMn  
\*\* Waterproof version available (-WP)

\*\*\*Genasun recommends the GVB-8 for panels with Imp up to 9 A.

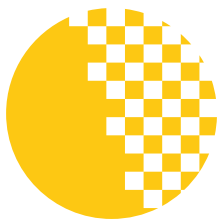


## Aesthetic options **Frontsheet**

Customers can choose the finishing that better suits their needs: matte, glossy, textured or antiskid.

+0.5 €/W will be applied for the textured finishing

+1€/W will be applied for the antiskid finishing



Where quality meets beauty

## **Invisible Solar Power (ISP) option**

SP, SR and SX series can be offered with a completely new look. Thanks to different masking technologies a rich portfolio of graphics will change your idea of solar panel. Solid colors, materials, geometric patterns; the ISP option broadens the meaning of customization in the solar field.

+1 €/W will be applied for the ISP option.

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