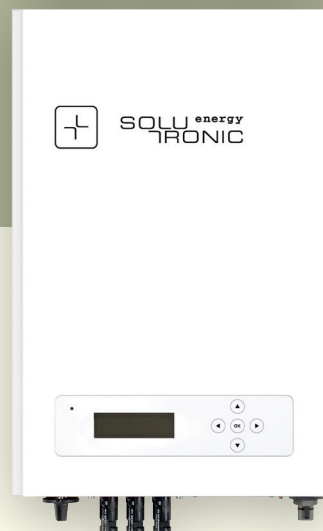
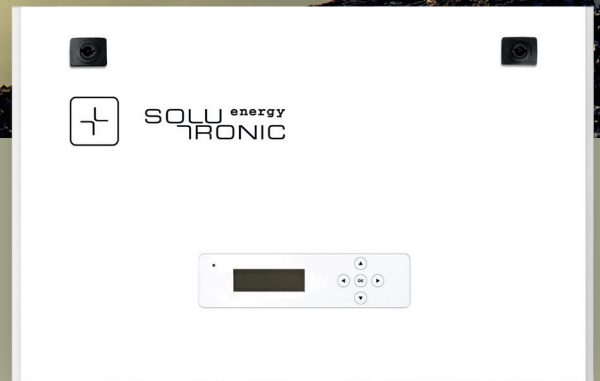




Performance
Effectiveness
Modularity



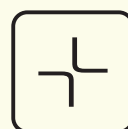
▲ SolVerter SP80-120
SolVerter SP80-120 Sync
3-phase
◀ SolVerter SP25-55
1-phase

PV inverters

SolVerter SP25-55

SolVerter SP80-120

SolVerter SP80-120 Sync



SOLU energy
TRONIC

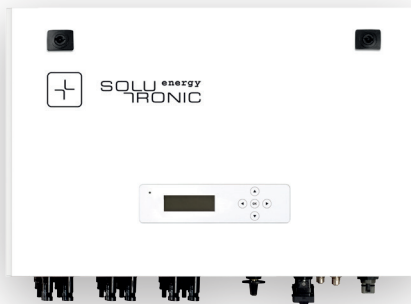
High quality, effective power generation

The SolVerter SP inverters manufactured by Solutronic will not just win you over due to their high efficacy and cooling system that operates without a fan and thus makes no noise, they also require no servicing at all thanks to their IP 65, IP 54 and IP 21 housing.

These transformerless, solar inverters with a 1-phase or 3-phase feed have one or three MPP trackers, are captivating thanks to their compact housing that is designed accordingly and are equipped with the most important communication connections such as RS485 and Ethernet.

Thanks to its integrated MPP tracker for each phase, the SolVerter SP80-120 allows optimum use for both domestic installations and installations on commercial and industrial buildings with different roof orientations and shadowing, as well as for solar farms.

In conjunction with our defrosting system DeFrost, the SolVerter SP25-120 inverter also caters for snow-free modules in the winter.



Grid monitoring


All inverters have grid and system protection that is controlled by software. These requirements vary from one country to the next and can be set on the inverter according to demands.

Reduction in capacity

The reduction in capacity demanded by the EEC and when funding is received from the KfW bank can be set directly on the inverter using the relevant parameter setting. In addition, the SolGrid energy manager provides the option of regulating grid power consumption. Furthermore, if required, feed-in can be completely avoided using the FEED-IN function on the SolGrid energy manager.

Our SolCom-Box also allows monitoring of yields and limits to feed-in for all PV modules used on commercial and industrial buildings and solar farms via a single device.

Your advantages

- 👍 **SolVerter SP:**
3 kWp to 14 kWp – can be scaled up to several MW
- 👍 **SolVerter SP Sync:**
8 kWp to 14 kWp – high scaling up to several MW. Grid stabilization within seconds 
- 👍 Suitable for domestic installations, commercial and industrial buildings, as well as solar farms
- 👍 Fully integrated communication platform
- 👍 Combinable with defrosting system **DeFrost**

Monitoring of yield

The integrated annual energy logger reliably records the electricity that is fed in. The freely programmable data logger is also available for system analysis. Our system provides early recognition and recording of system and grid problems.

Data and remote access

All data can be accessed via the display or using the software SOLPLUS+, the portal MySolutronic.com or can be graphically illustrated using Solar-Log. Software updates are available on location at all times or can be remotely accessed using our software SOLPLUS+.

Research:



Certification:



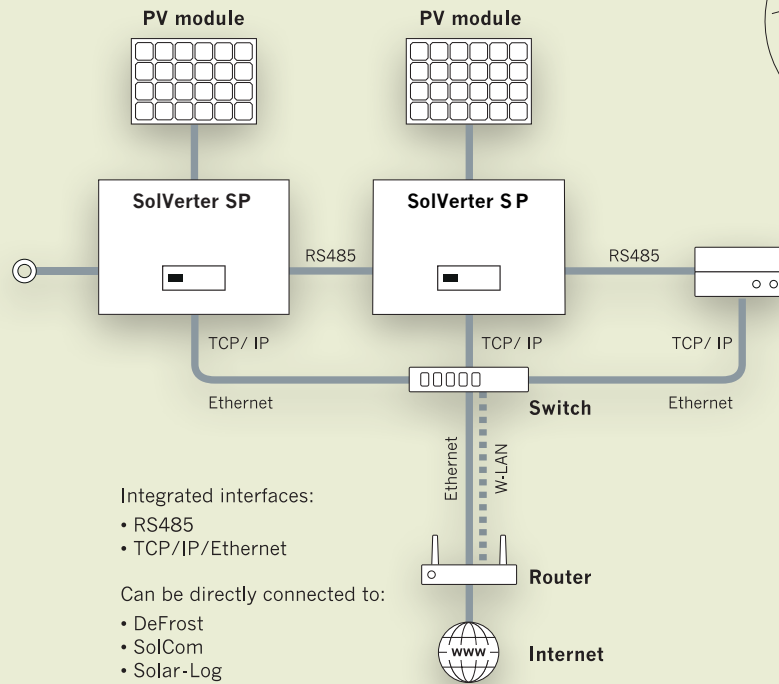
Award:



Member of:



Communication model



Technical specifications

	SolVerter SP25	SolVerter SP35	SolVerter SP50	SolVerter SP55
Nominal AC capacity	2850 W	3800 W	4600 W	5500 W
Max. AC capacity apparent power	2850 W 3100 VA	3800 W 4100 VA	4600 W 5400 VA	5500 W 5800 VA
Max. recommended DC capacity	3000 Wp	4350 Wp	6000 Wp	6600 Wp
MPP voltage range	345 to 750 V			
Max. DC input voltage	850 V			
Private consumption during day	< 9 W			
Max. Europ. efficacy	97.2 % 96.6 %	97.3 % 96.8 %	97.4 % 97.0 %	97.4 % 97.0 %
Cos φ	-0.8 to +0.8			
Operating temperature range	-20 °C to +60 °C			
Dimensions (H x W x D)	IP 21 = 450 x 303 x 130 mm, IP 54 = 510 x 315 x 130 mm			
Weight (net)	20 kg			
Compliance/authorisations	VDE-AR-N 4105, EN 61000-6-3, EN 61000-6-1, EN 50438:2007, G83/1-1, AS 4777.2, AS 4777.3, EN 45011, EN 50438, AS3100, ENEL DK 5940 Ed. 2.2, IEC 60950, CEI 11-20, CEI 0-21, CE			

	SolVerter SP80	SolVerter SP100	SolVerter SP120	Serie Sync
Nominal AC capacity	8000 W	10000 W	12000 W	SolVerter SP80-120 Sync
Max. AC capacity apparent power	8000 W 8800 VA	10000 W 11000 VA	12000 W 13200 VA	correspond to SolVerter
Max. recommended DC capacity	10000 Wp	12000 Wp	14400 Wp	SP80-120
MPP voltage range	345 to 750 V			
Max. DC input voltage	850 V			
Private consumption during day	< 7 W			
Max. Europ. efficacy	98.0 % 97.2 %			
Cos φ	-0.8 to +0.8			
Operating temperature range	-20 °C to +60 °C			
Dimensions (H x W x D)	400 x 620 x 230 mm			
Weight (net)	45 kg			
Compliance/authorisations *	VDE-AR-N 4105, EN 61000-6-3, EN 61000-6-2, VDE 0126-1-1, AS 3100, AS 4777.2, AS4777.3, IEC 60950, ENEL, EN 50438, EN 61000-2, EN 61000-3, CE			

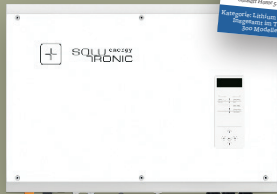
* Furthermore, the communication signals required for the Medium voltage Directive can be converted with the aid of option boards.

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Solutronic – the Complete Solution

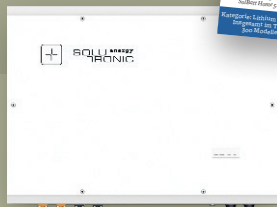
Energy generation, storage and management



Hybrid inverter SolHybrid

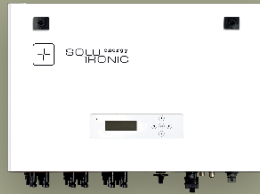


Energy manager SolGrid



Energy storage SolBatt Home

Energy generation and management, defrosting PV modules



Inverter SolVerter SP / SP Sync (1-/3-phase)

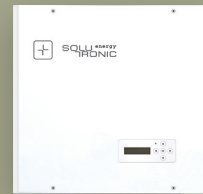


Energy manager SolGrid



PV module defroster DeFrost

Energy generation and management

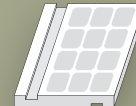


Inverter SolVerter SE (1-phase)

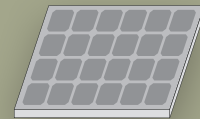


Energy manager SolGrid

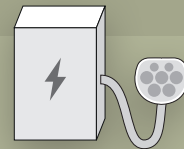
Compatible with:



PV shingles



PV modules



electric vehicle charging stations

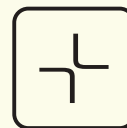
We are happy to advise you, whether you are planning a new system or wish to adapt or expand your existing system.

Would you like to talk to us about becoming our partner? We look forward to hearing from you.

☎ Phone +49 (0)7022 9788 112

Mon-Fri 8.30am - 5.30pm

✉ info@solutronic-energy.de



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