



Compatible with
SolHybrid-
energy storage

Compatible with
all standard com-
mercially available
inverters

Flexibility
Efficiency
Performance



Freedom with the
SolVerter SE

Inverter with boost converter



Effective power generation for all requirements

The SolVerter SE 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 housing.

These transformerless solar inverters with a 1-phase feed have two boost converters, are captivating thanks to their small compact housing that is designed accordingly and are equipped with the most important communication connections such as RS485 and Ethernet.

The broad input voltage range of 80 V to 500 V allows optimum use of both domestic installations and installations on commercial and industrial buildings with different roof orientations and shadowing - even with low levels of insolation.

Your advantages

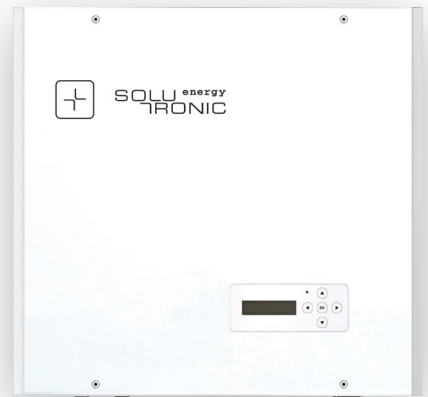
- 👍 1-phase solar inverter with 2 boost converters (2 MPP trackers)
- 👍 Low input voltage range starting at 80 V to 500 V DC (for as few as 4 PV modules)
- 👍 Power rating 4.4 kWp to 6.0 kWp PV capacity
- 👍 For small and medium-sized systems
- 👍 Also optimally suited to PV shingles, small roofs and carports

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 based on 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 Sol-Grid energy manager provides the option of efficient regulation of grid power consumption. Furthermore, if required, feed-in can be completely avoided (0 feed-in) using the FEED-IN function on the SolGrid energy manager.

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 accessed remotely using our software SOLPLUS+.

Research:



Certification:



Award:

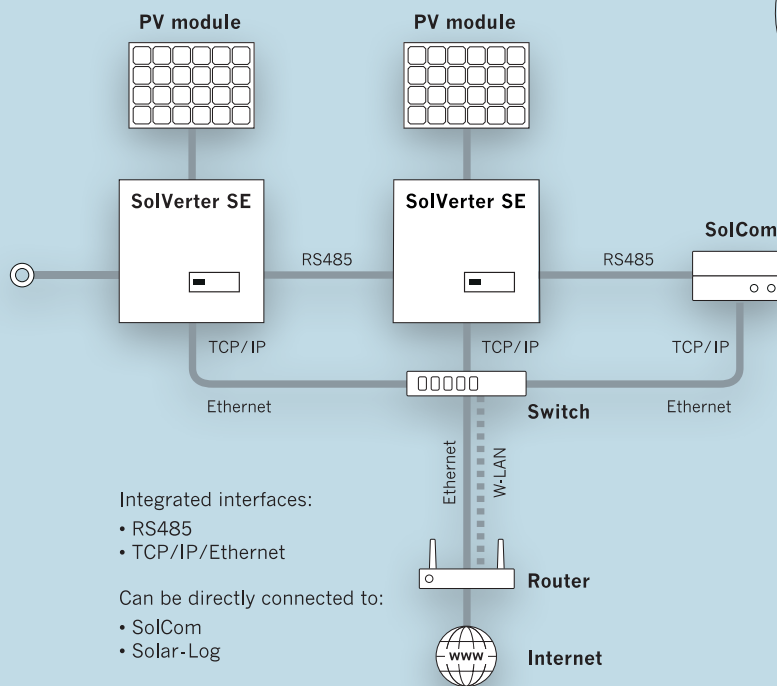


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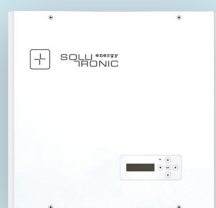




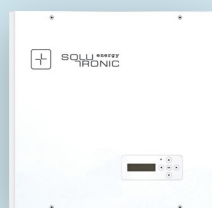
Communication model



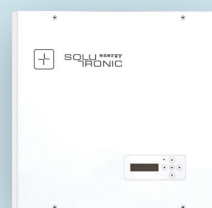
Technical specifications



SolVerter SE40S2



SolVerter SE50S2



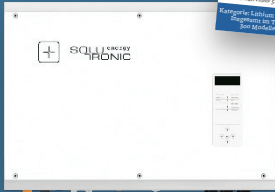
SolVerter SE60S2

Nominal AC capacity	3680 W	4000 W	5000 W
Max. AC capacity apparent power	4000 W 4000 VA	4400 W 4400 VA	5400 W 5400 VA
Max. AC current	16.5 A	18 A	22 A
Max. recommended DC capacity	4400 Wp	4800 Wp	6000 Wp
MPP voltage range	80 to 500 V		
Max. DC input voltage	500 V		
Max. DC current	18 A		
Private consumption during day	< 7 W		
Number of MPP trackers	2		
Number of phases	1		
Max. Europ. efficacy	97.2% 97.0%	97.3% 97.0%	97.3% 97.0%
Cos φ	-0.8 to +0.8		
Operating temperature range	-20 °C to +60 °C		
Dimensions (H x W x D)	443 x 495 x 185 mm		
Weight (net)	25 kg		
Compliance/authorisations	VDE-AR-N 4105, CE, VDE 0126-1-1, EN 62109, CEI-0-21, G59/G83, EN 50438, EN 61000-6-1, EN 61000-6-3; in preparation: EN 50438 for other countries (Cyprus, Turkey...), AS 3100, AS 4777.2, AS 4777.3 (Australia)		



Solutronic – the Complete Solution

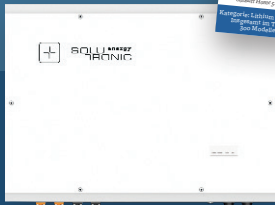
Energy generation, storage and management



Hybrid inverter SolHybrid

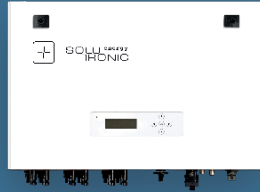


Energy manager SolGrid



Energy storage SolBatt Home

Energy generation and management, defrosting PV modules



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

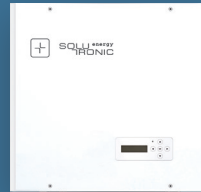


Energy manager SolGrid



PV module defroster DeFrost

Energy generation and management



Inverter SolVerter SE (1-phase)

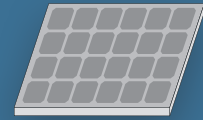


Energy manager SolGrid

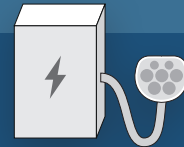
Compatible with:



PV shingles



PV modules



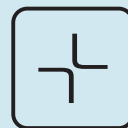
electric vehicle charging stations

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.

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