

# Solarix Sinus Inverter

Sinewave inverter & Solar charge controller in one device  
Perfect solution for 230V & 115V stand-alone-systems  
Optimum protection of the battery  
Accurate state of charge display



High surge power for starting of critical loads  
Simple handling  
Easy installation  
High reliability

**Atonic**  
*inside*

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## THE INNOVATION FOR STAND-ALONE SYSTEMS

Solarix Sinus - the innovation for photovoltaic stand-alone systems: a sinewave inverter and a solar charge controller combined into one device with innovative new features. Of course the inverter is also available as a stand-alone device.

### Stand-alone sinewave inverter 550 I / 550 I-L60 / 900 I

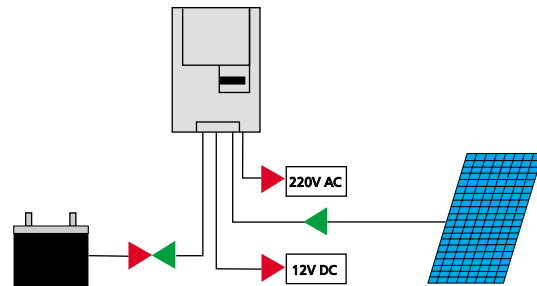
- Nominal power up to 900 W
- High surge power for starting of critical loads (e.g. refrigerators)
- Pure sinewave output ensures failure-free operation of sensitive appliances (e.g. computers, TV-sets)
- 100 % short-circuit protection
- 92 % max. efficiency
- Three modes of operation for an optimal adjustment to your needs: On/Stand-by/Off
- Load-detection function is optimised by simply pressing the operating mode key
- Perfect design, easy installation

- AtonIC inside: Well-proven determination of state of charge by self-learning algorithm
- 16-character LC display shows accumulator voltage, load and module current and state of charge
- Disconnection of DC-load and inverter at an accurately defined state of charge guarantees optimum use and best protection of your battery
- Optimum co-ordination of charge controller and inverter
- High economy and reliability

### Sinewave inverter/charge controller combination 550 RI / 550 RI-L60 / 900 RI

- Easy installation, only one battery connection
- Simultaneous operation of AC and DC-loads

circuit diagram  
Sinus Inverter / Charge controller combination



### Technical Data:

Inverter type	550 I / 550 RI*	550 I-L60 / 550 RI-L60*	900 I / 900 RI*
Output voltage, frequency	220V +/- 10%, 50 Hz optional 60Hz	115V +/- 10%, 60Hz	220V +/-10%, 50Hz optional 60Hz
Nominal power	550 W	500 W	900 W
Surge power (AC)	300%	300%	250%
Waveform	pure sinewave		
AC-Operating modes	On/Stand-by/Off		
Self consumption	430mA/50mA/15mA	430mA/50mA/15mA	430mA/50mA/15mA
Battery voltage nom.	12 V	12 V	24 V
Battery current nom.	46 A (inverter) + 15 A (DC-load)*	42 A (inverter) + 15 A (DC-load)*	38 A (inverter) / 15 A (DC-load)*
Module current nom.*		25 A*	
DC-load current nom.*		15 A*	
Charge method*		IU*	
Display	LED/ RI versions additional with an 16 char. LCD*		
DC-connection	integrated terminal block 16mm <sup>2</sup>		
AC-connection	standard AC plug + cable included		
Inverse polarity protection	changeable automobile fuse		
Dimensions LxWxH (mm)	320 x 244 x 120		
Installation	table / wall mounting		
Weight	5,5 kg	5,5 kg	7,5 kg
Degree of protection	IP 20		
Cooling	temperature controlled fan		
Ambient temperature	-15 bis +45°C		
Battery supervision*	AtonIC SOC calculation		

\* only by RI versions (with integrated solar charge controller)