

# SOLON Satis Inverter



## SOLON Satis Inverter

The SOLON Satis has been specifically developed to connect solar photovoltaic installations to the power grid. It converts direct current as produced by solar modules into alternating current and feeds the electricity into the public grid in the most reliable and efficient way.

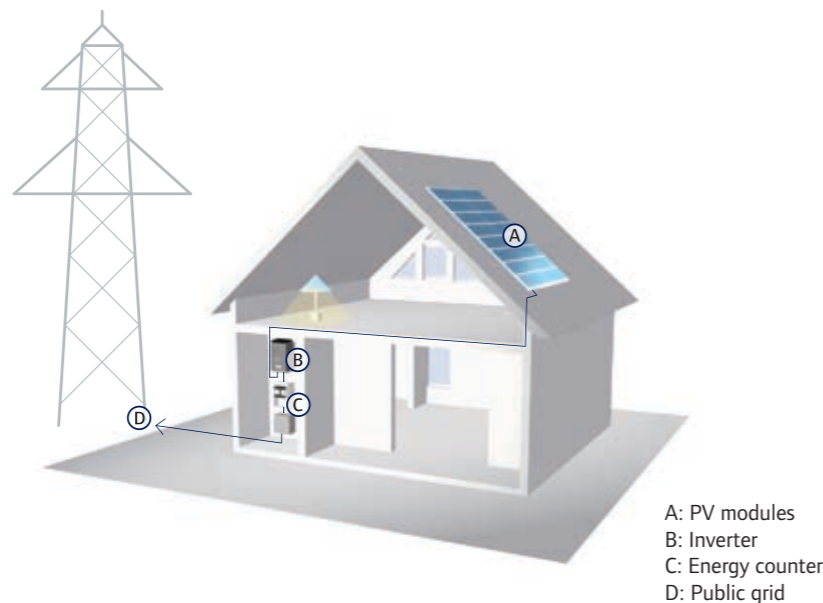
The rapidly regulating MPP-Tracking (detection of the maximum power point) of the SOLON Satis optimizes the electrical power conversion. This allows feeding the maximum amount of electricity into the grid at all times and thereby guarantees the highest possible outputs.

Via serially integrated communication interfaces (USB and CANopen) the operating data of the last two years can be reliably accessed and thanks to the integrated data logger be analyzed at all times.

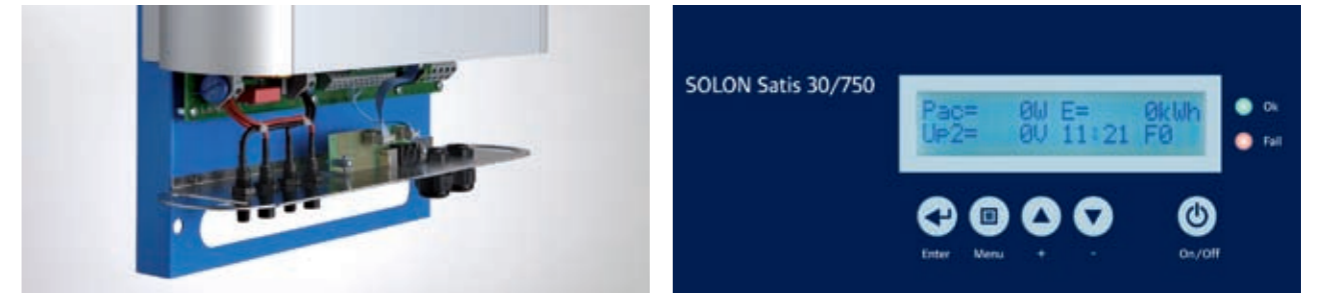
Additionally, the SOLON Satis Management Tool\* offers an easy visualization of the performance and outputs of the PV installation.

### Advantages of the SOLON Satis at a glance:

- Excellent maximum efficiency (max. efficiency ~96%)
- 5-year product warranty, extendable to 11 years
- Rapid MPP-tracking to guarantee maximum earnings
- Integrated data logger for data visualization and electronic data control
- Communication interfaces USB and CANopen
- Free SOLON Satis Management Tool\*
- Certified quality product (EG declaration of conformity, document of compliance)
- Easy and safe installation thanks to the sliding top
- Protected against short circuit and overloading



\* The SOLON Satis Management Tool is available for download on [www.solon.com](http://www.solon.com).



SOLON Satis Inverter		30/750	40/750
<b>Input side (DC)</b>			
Maximum PV-output	( $P_{DCmax}$ )	3450 W	4600 W
Nominal output	( $P_{nDC}$ )	3000 W	4000 W
Maximum DC voltage	( $U_{DCmax}$ )	750 V	750 V
Maximum DC current	( $I_{DCmax}$ )	7.7 A	12 A
MPP-tracking range		360 to 650 V	360 to 650 V
<b>Output side (AC)</b>			
Nominal output	( $P_{nAC}$ )	2850 W	3800 W
Maximum AC current	( $I_{ACmax}$ )	10 A	18 A
Mains voltage range	( $U_{ACrange}$ )	196 bis 276 V	196 to 276 V
Frequency (ENS controlled)	( $f_{AC}$ )	47,5 to 50,2 Hz	47,5 to 50,2 Hz
Efficiency factor	( $\cos\Phi$ )	1	1
Harmonic distortion at rated output		< 4%	< 4%
<b>Efficiency</b>			
Maximum efficiency			~96%
European efficiency			~94,5%
<b>System data</b>			
Weight			21 kg
Dimension (W x H x D in mm)			446 x 600 x 130
Protection type			IP 20
Conversion			without transformer
Temperature range			-25°C to +50°C
Communication interface			USB/CANopen
Data transfer/analysis			real time/data storage up to 2 years with time and date
Display			2 lines
Connection to grid			clamps
Maximum amount of strings			2 strings per inverter
<b>Operator and system protection</b>			
Grid control			according to (DIN VDE 0126-1-1)
Protection against polarity			polarity safely
Control of error current			integrated DC separation
Certification			EG declaration of conformity/document of compliance
Warranty			5 years, extendable to 11 years



## SOLON – a strong name that stands for quality and reliability

Our competence and long lasting experience in the production of inverters as well as our internationally oriented sales network are good reasons to choose SOLON inverters.

In combination with highly efficient mono- and polycrystalline SOLON modules SOLON inverters guarantee for a reliable functioning of your PV installation for many years to come.

## SOLON services

As a SOLON customer, you can profit from a wide range of services:

- Individual and professional consulting and support
- SOLON Satis client hotline: +49 3834 810-0
- Highest accuracy and delivery at agreed dates
- Just-in-time delivery for projects of high importance
- Certification and installation manual for every SOLON inverter

For more information on SOLON inverters please do not hesitate to contact the nearest SOLON reseller. Our partners will be glad to inform you.



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