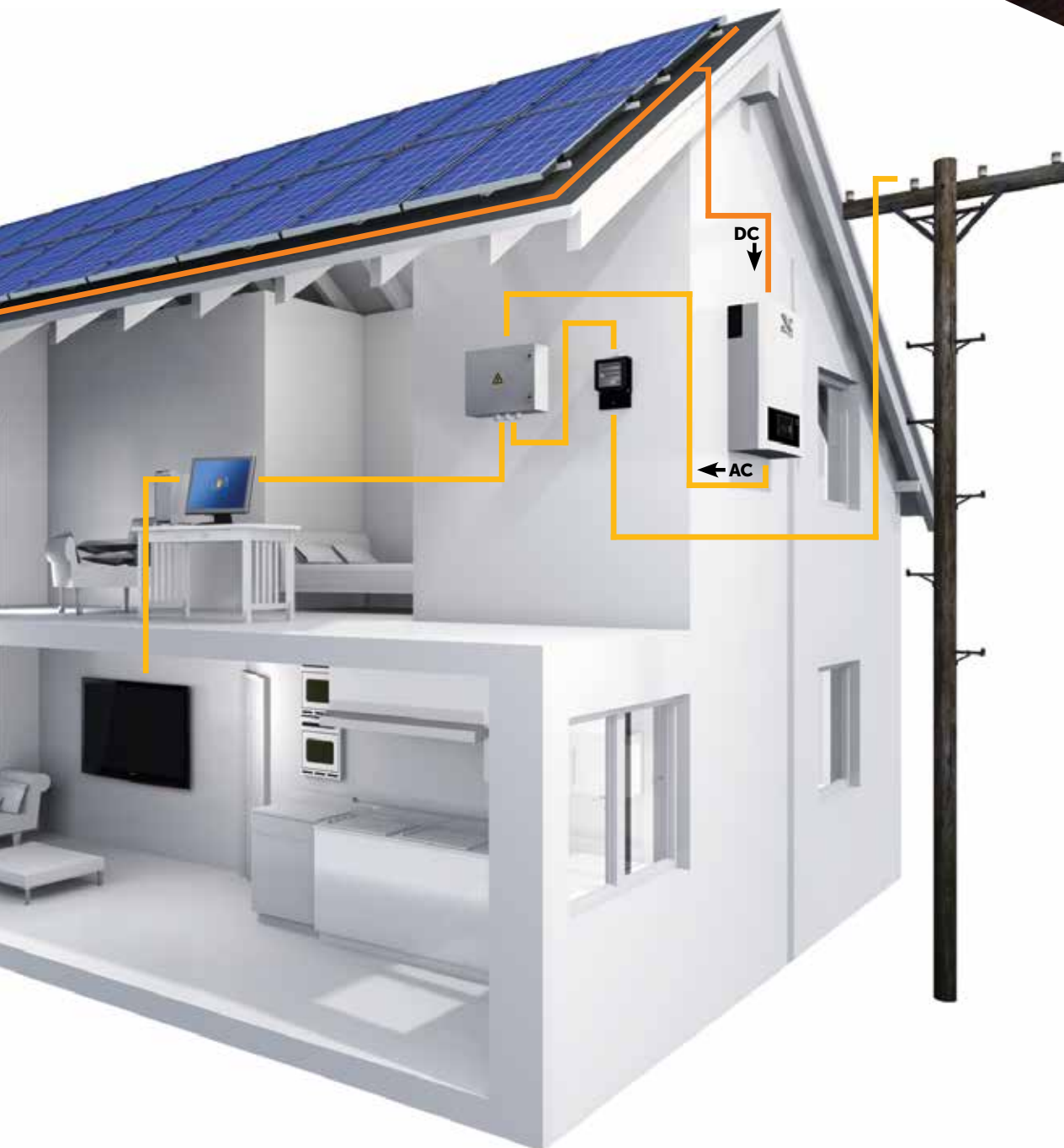




INVERTER SYSTEM
PRODUCT BROCHURE





THE SOLAX INVERTER

The solar inverter is a critical technological component that is the heart of any PV plant. A solar inverter, or PV inverter, converts the variable direct current (DC) output of a photovoltaic (PV) solar panel into a utility frequency alternating current (AC) that can be stored or fed into a commercial electrical grid, allowing the use of ordinary commercial appliances. At SolaX we are creating the inverters of tomorrow.





Our state-of-the-art facilities include an SMT machine, automatic plug in line and our TÜV testing laboratory.

ABOUT SOLAX POWER

A division of the Suntellite Group, our vision is to be a world leader in the development, production and sales of inverters that incorporate innovative technologies and state of the art capabilities, providing our customers the power to harvest nature's energy.

To create this technology we have employed more than 80 professors and senior engineers at our state of the art 240,000m² production facility, that boasts over USD\$20,000,000 of investment in professional equipment, including our SMT machine, automatic plug in line and our TÜV testing laboratory.

A company lead by innovation that is based on research, SolaX Power is proud to be affiliated with the Zhejiang University, currently ranked third amongst the best universities in China and home to the only national key silicon material laboratories in China's Silicon Valley.

With this level of investment and innovation, SolaX products are designed, tested and manufactured to the highest global standards. Proudly supported by 16 international offices with 24-hour, 7 days per week online service, our products are exported to 47 countries via 200 distribution channels. SolaX products come with international module certifications such as TÜV, CE, SAA, UL, MCS, ROHS and inverter certificates, VDE, SAA, EN50438, G83, G59, C10/11.

As a brand committed to the responsibility of "planting a greener future" for you and your family, we have built a world class production facility with a leading professional research and development team. Our commitment is to supply to our customers a more advanced, reliable, safer and cost-effective range of PV products and energy system solutions, that are engineered to meet the world's growing energy demands.





GREENER FUTURE
GLOBAL STANDARDS
INNOVATIVE TECHNOLOGIES



X1



SOLAX SOLAR INVERTER

SN-TL1500 / 2200 & SL-TL1500 / 2200 / 2800 / 3000

High efficiency and long time working

SINGLE PHASE

High performance

- MPPT efficiency up to 99.9%
- Maximum efficiency up to 97.6%
- Maximum DC input voltage of 580V
- Wide MPPT voltage range allows more energy harvesting

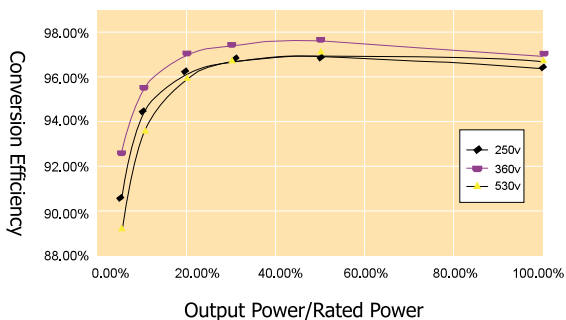
Flexibility and reliability

- Low turn-off voltage and longer working time
- Fanless, quiet and low maintenance
- High protection class IP65 (indoor/outdoor use)
- Multiple protections: RCD, ISO, over voltage, and earth protection, etc

User-friendly

- Multi-lingual display
- Backlight 16 x 2 characters LCD
- RS485, Bluetooth, WIFI and 3G (optional) communication for monitoring
- "Plug and play" connection for easy installation and maintenance
- Single phase

Efficiency Curve



Technical Data

Inverter Model	SN-TL1500	SN-TL2200	SL-TL1500	SL-TL2200	SL-TL2800	SL-TL3000
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► Input (DC)

Max. recommended DC power [W]	1700	2300	1700	2300	3000	3200
Max. turn on DC voltage [V]	450	450	580	580	580	580
Max. input current [A]	10	12	10	12	13.8	15
MPPT voltage range [V]	125-450	125-450	125-530	125-530	125-530	125-530
Min. DC voltage /start voltage [V]	70/100	70/100	70/100	70/100	70/100	70/100
Number of MPP trackers /strings per MPP tracker	1/1	1/1	1/1	1/1	1/2	1/2

► Output (AC)

AC nominal power [W]	1500	2000	1500	2000	2600	3000
Max. AC power [W]	1650	2200	1650	2200	2800	3000
Nominal AC voltage; range [V]	220/230/240 ; 180-280					
AC grid frequency; range [Hz]	50/±5					
Max. AC current [A]	7.5	10	7.5	10	13	13.2
Power factor (Full load)	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99
Total harmonic distortion (THD)	<3%	<3%	<3%	<3%	<3%	<3%

► Efficiency

MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Euro-efficiency	95.5%	95.5%	96.5%	96.8%	96.9%	96.9%
Max. efficiency	96.5%	96.5%	97.4%	97.5%	97.6%	97.6%

► Power consumption

Input standby power [W]	3.5	3.5	3.5	3.5	3.5	3.5
Internal consumption (night) [W]	0	0	0	0	0	0

► Safety and protection

Internal overvoltage protection	YES
DC insulation monitoring	YES
Grid monitoring	YES
Earth fault current monitoring	YES
DC current monitoring	YES
Islanding protection	YES
RCD protection	YES

► Environment limits

Degree of protection	IP65
Operating temperature range [°C]	-20~60 (derating at 45)
Humidity [%]	0~95 (non-condensing)
Altitude [m]	2000
Storage temperature [°C]	-20~60
Noise emission (typical) [dB]	< 30

► Dimensions and weight

Dimensions (WxHxD)[mm]	376x437x143					
Weight [Kg]	16	16	16	16	16.5	16.5
Cooling concept	Convection					
Topology	Transformer-less					
Communication interfaces	RS485/RS232 (wifi optional)					
LCD display	Backlight, 16x2 character LCD					
Standard warranty [year]	5 (10 optional)					

► Connector

Input (DC)	Amphenol H4
Output (AC)	Weiland plug-in connector



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