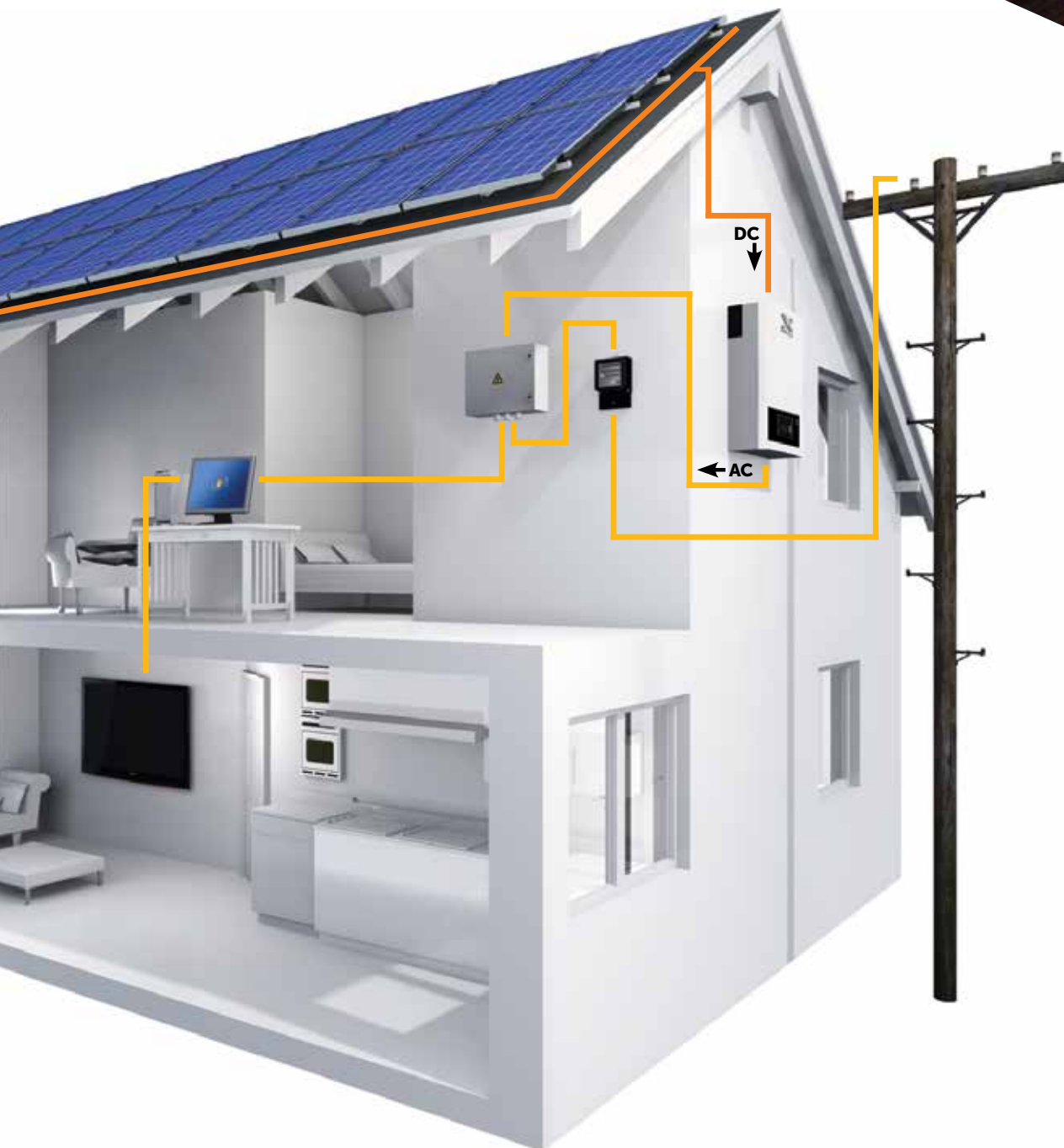




INVERTER SYSTEM
PRODUCT BROCHURE





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

SL-TL3300T / 3600T / 4400T / 5000T

High efficiency and wider usage

SINGLE PHASE DUAL MPPT

High performance

- MPPT efficiency up to *99.9%*
- Maximum efficiency up to *97.6%*
- Maximum DC input voltage of 580V
- Dual MPP tracker and wide MPPT voltage range for more flexible
- Configuration and higher yield

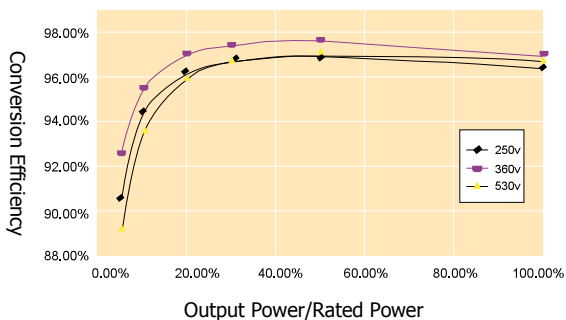
Flexibility and reliability

- 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

Efficiency Curve



Technical Data

Inverter Model	SL-TL3300T	SL-TL3600T	SL-TL4400T	SL-TL5000T
► Input (DC)				
Max. recommended DC power [W]	3480	4000	4580	5200
Max. turn on DC voltage [V]	580	580	580	580
Max. input current [A]	17/17	17/17	18/18	20/20
MPPT voltage range [V]	125-530	125-530	125-530	125-530
Min. DC voltage /start voltage [V]	70/100	70/100	70/100	70/100
Number of MPP trackers /strings per MPP tracker	2/A:1 B:1	2 / A:1 B:1	2/A:1 B:1	2/A:2 B:1
► Output (AC)				
AC nominal power [W]	3000	3680	4000	4600
Max. AC power [W]	3300	3680	4400	5000
Nominal AC voltage; range [V]	220/230/240; 180-280	207-264(G83/1)	220/230/240; 180-280	220/230/240; 180-280
AC grid frequency; range [Hz]	50/±5	47-50.5(G83/1)	50/±5	50/±5
Max. AC current [A]	15	16	20	23
Power factor (Full load)	>0.99	>0.99	>0.99	>0.99
Total harmonic distortion (THD)	<3%	<3%	<3%	<3%
► Efficiency				
MPPT efficiency	99.9%	99.9%	99.9%	99.9%
Euro-efficiency	97.1%	97.1%	97.2%	97.2%
Max. efficiency	97.6%	97.6%	97.6%	97.6%
► Power consumption				
Input standby power [W]	3.5	3.5	3.5	3.5
Internal consumption (night) [W]	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]	435x595x145			
Weight [Kg]	21.5	22	22	22
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			



SOLAX POWER—DIVISION OF SUNTELLITE GROUP

Research & Development Centre: Hangzhou Zhe Jiang University

Address Building A, National University Science and Technology
Park of Zhejiang University.
525, Xixi Rd, Hangzhou, Zhejiang Province, China, 310007

Sales & Manufacture

Address 288, Shizhu Rd, Tonglu Economic Development Zone,
Dongxing District, Tonglu, Zhejiang Province, China, 311500

Tel +86(571)-58509376
Fax +86(571)-58509386
Email info@solaxpower.com

Copyright 2013 Suntellite. All rights reserved. Specifications subject to change without notice.

