

SINGLE PHASE INVERTERS FROM SOLAX



SOLAX
POWER

SolaX have developed a range of single phase dual MPPT inverters unrivaled in the industry for their quality, reliability and efficiency. The SolaX single phase inverters boast a wide MPPT voltage range to allow for more energy harvesting and at 97.6% have the highest maximum efficiency available on the market today. In addition, all SolaX single phase inverters are IP65 rated, have no internal fan and come with WiFi connectivity as standard.

X1 SERIES

SOLAX SOLAR INVERTERS

SL-TL3300T / 3600T / 4000T / 5000T

High efficiency and wider usage

SINGLE PHASE DUAL MPPT

High performance

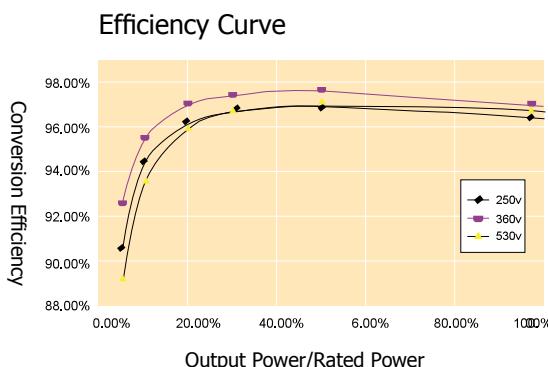
- MPPT efficiency up to 99.9%
- Maximum efficiency up to 97.6%
- Maximum DC input voltage of 580V
- Dual MPP tracker and wide MPPT voltage range for more flexibility

Flexibility and reliability

- Low turn-off voltage and longer working time
- Fanless, quiet and low maintenance
- IP65 for indoor & outdoor use
- Multiple protections: RCD, ISO, over voltage, and earth protection

User-friendly

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



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:1 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)	180-280	207-264 (G83/2)	180-280	180-280
AC Grid Frequency; Range (Hz)	50±5	47-50.5 (G83/2)	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 & 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 Emissions (dB)		<30		
OTHER				
Dimensions WxHxD (mm)		435x595x145		
Weight (kg)	21.5	22	22	22
Cooling Concept		Convection		
Topology		Transformerless		
Communication Interfaces		WiFi (standard)		
LCD Display		Backlit, 16x2 character		
Certification (UK)		SL-TL300/3600: G83/2 / SL-TL4400/5000: G59/2		
Standard Warranty		10 years from manufacturer		



SolaX UK Ltd.

t: 0845 689 6009 / e: info@solaxuk.co.uk / w: www.solaxuk.co.uk