

# 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

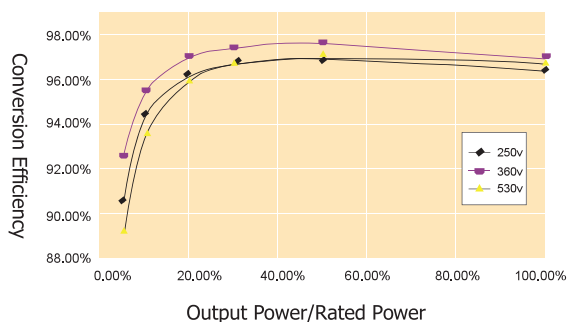
#### Flexibility and reliability

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

#### User-friendly

- Multi-lingual display
- Backlight 16 x 2 characters LCD
- RS485, 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: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]	220/230/240; 180-280	207-264(G83/2)	220/230/240; 180-280	220/230/240; 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 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 standard)			
LCD display	Backlight, 16x2 character LCD			
Standard warranty [years]	5 (10 optional)			