



SOLAX SOLAR INVERTER

SL-TL1500 / 2200 / 2800 / 3000 / 3600

High efficiency and long time working

SINGLE PHASE

High performance

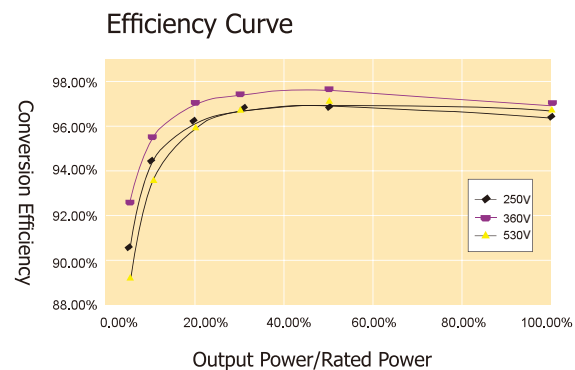
- MPPT efficiency up to 99.9%
- Maximum efficiency up to 97.6%
- Maximum DC input voltage at 580V
- Wide MPPT voltage range allows more energy harvesting

Flexibility and reliability

- Lower starting voltage and longer working time
- Fanless, quiet and low maintenance cost
- 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 character LCD
- RS485, WIFI and 3G (optional) communication for monitoring
- "Plug and play" connection for easy installation and maintenance



Technical Data

Inverter Model	SL-TL1500	SL-TL2200	SL-TL2800	SL-TL3000	SL-TL3600(UK Only)
► Input(DC)					
Max.recommended DC power[W]	1700	2300	3000	3200	4000
Max. starting DC voltage [V]	580	580	580	580	580
Max. input current [A]	10	12	13.8	15	17
MPPT voltage range [V]	125-530	125-530	125-530	125-530	125-530
Shut down input voltage/start input voltage [V]	70/100	70/100	70/100	70/100	70/100
No. of MPP trackers/strings per MPP tracker	1/1	1/1	1/2	1/2	1/2
► Output(AC)					
Nominal AC power [W]	1500	2000	2600	3000	3600
Max. AC power [W]	1650	2200	2800	3000	3600
Nominal AC voltage; range [V]	220/230/240; 180-280				207-264(G83/2)
AC grid frequency; range [Hz]	50/60; ±5				47-50.5(G83/2)
Max. AC current [A]	7.5	10	13	13.2	16
Power factor (full load)	>0.99	>0.99	>0.99	>0.99	>0.99
Total harmonic distortion (THD)	<3%	<3%	<3%	<3%	<3%
► Efficiency					
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
Euro-efficiency	96.5%	96.8%	96.9%	96.9%	96.9%
Max. efficiency	97.4%	97.5%	97.6%	97.6%	97.6%
► Power consumption					
Input standby power [W]	<3.5	<3.5	<3.5	<3.5	<3.5
Internal consumption (night) [W]	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					
Protection class	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]	376 x 437 x 143				
Weight [kg]	16	16	16.5	16.5	16.5
Cooling concept	Natural cooling				
Topology	Transformer-less				
Communication interfaces	RS485/RS232 (WIFI standard)				
LCD display	Backlight, 16x2 character LCD				
Standard warranty [years]	5 (10 optional)				