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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

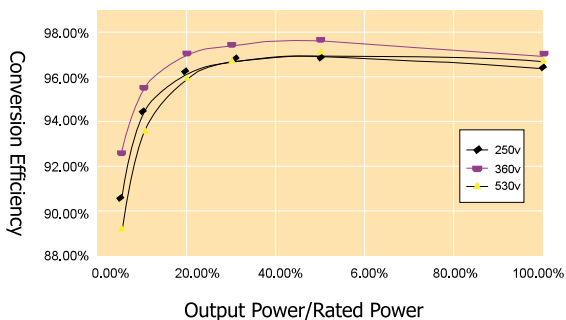
Flexibility and reliability

- 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