





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.



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.

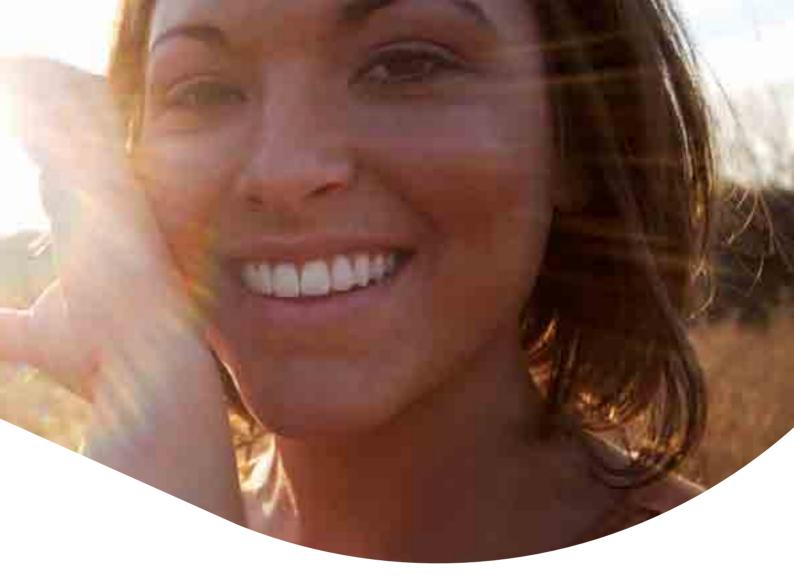
To create this technology we have employed more than 80 professors and senior engineers at our state of the art 240,000m² production facility, that boasts over USD\$20,000,000 of investment in professional equipment, including our SMT machine, automatic plug in line and our TÜV testing laboratory.

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.





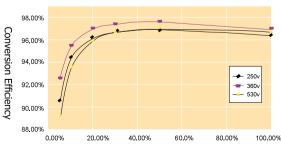


GREENER FUTURE
GLOBAL STANDARDS
INNOVATIVE TECHNOLOGIES





Efficiency Curve



Output Power/Rated Power

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-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, Bluetooth, WIFI and 3G (optional) communication for monitoring
- "Plug and play" connection for easy installation and maintenance

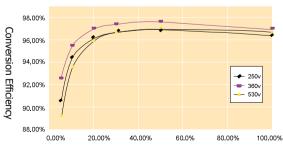
Technical Data

	SN-TL1500	SN-TL2200	SL-TL1500	SL-TL2200	SL-TL2800	SL-TL300
Input (DC)						
·	1700	2300	1700	2300	3000	3200
Max. recommended DC power [W] 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]			220/230/24	10 ; 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%
Effciency						
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%
Input standby power [W] Internal consumption (night) [W]	3.5	3.5	3.5 0	3.5 0	3.5 0	3.5 0
Safety and protection						
Internal overvoltage protection				ES		
DC insulation monitoring			Y	ES		
DC insulation monitoring Grid monitoring			Y	ES ES		
DC insulation monitoring Grid monitoring Earth fault current monitoring			Y Y Y	ES ES ES		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring			YI YI YI	ES ES ES		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection			YI YI YI YI Y	ES ES ES ES		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection			YI YI YI YI Y	ES ES ES		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits			Y Y Y Y Y	ES ES ES ES ES		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection			Y Y Y Y Y Y IP	ES ES ES ES ES ES ES		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C]			Y Y Y Y Y Y IP -20~60 (dei	ES ES ES ES ES ES es arating at 45)		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%]			Y Y Y Y Y Y IP -20~60 (det	ES ES ES ES ES 65 rating at 45) condensing)		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m]			YY YY YY YY Y 1P -20~60 (det	ES ES ES ES ES 65 rating at 45) condensing)		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%]			YY YY YY YY Y IP -20~60 (dei 0~95 (non-o	ES ES ES ES ES 65 rating at 45) condensing)		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB]			YY YY YY YY Y IP -20~60 (dei 0~95 (non-o	ES ES ES ES ES 65 rating at 45) condensing) 00 ~60		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB]			YY YY YY YY YY -20~60 (det 0~95 (non-c 20 -20	ES ES ES ES ES ES 65 rating at 45) condensing) 000 ~60		
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm]	16	16	YY YY YY YY YY -20~60 (det 0~95 (non-c 20 -20 <	ES ES ES ES ES 65 rating at 45) condensing) 00 ~60 30	16.5	16.5
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg]	16	16	YY YY YY YY YY -20~60 (det 0~95 (non20 -20 -2 -2 16	ES ES ES ES ES ES 65 rating at 45) condensing) 000 ~60	16.5	16.5
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept	16	16	Y Y Y Y Y Y Y Y Y Y	ES E	16.5	16.5
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg]	16	16	Y Y Y Y Y Y Y Y Y Y	ES E		16.5
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology	16		Y Y Y Y Y Y Y Y Y Y	ES ES ES ES ES 65 rating at 45) condensing) 00 ~60 30 37x143 16 ection mer-less (wifi optional)		16.5
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces	16		YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	ES ES ES ES ES 65 rating at 45) condensing) 00 ~60 30 37x143 16 ection mer-less (wifi optional)		16.5
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces LCD display Standard warranty [year]	16		YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	ES ES ES ES ES 65 rating at 45) condensing) 00 ~60 30 37x143 16 ection mer-less (wifi optional)		16.5
DC insulation monitoring Grid monitoring Earth fault current monitoring DC current monitoring Islanding protection RCD protection Environment limits Degree of protection Operating temperature range [°C] Humidity [%] Altitude [m] Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces LCD display	16		YY	ES ES ES ES ES 65 rating at 45) condensing) 00 ~60 30 37x143 16 ection mer-less (wifi optional)		16.5





Efficiency Curve



Output Power/Rated Power

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, Bluetooth, WIFI and 3G (optional) communication for monitoring
- "Plug and play" connection for easy installation and maintenance

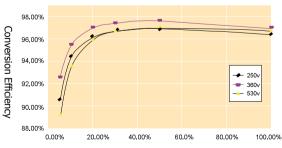
Technical Data

Inverter Model	SL-TL3300T	SL-TL3600T	SL-TL4400T	SL-TL5000T					
Input (DC)									
•	2400	4000	4500	5200					
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; 180-28					
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%					
Effciency									
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%					
Input standby power [W] Internal consumption (night) [W]	3.5	3.5 0	3.5 0	3.5 0					
Safety and protection Internal overvoltage protection DC insulation monitoring Grid monitoring Earth fault current monitoring	YES YES YES YES YES								
DC current monitoring Islanding protection	YES YES								
RCD protection	YES								
Environment limits									
Degree of protection		IP	65						
Operating temperature range [°C]		-20~60 (de	rating at 45)						
Humidity [%]		0~95 (non-	condensing)						
Altitude [m]		20	000						
			~.60						
Storage temperature [°C]		- 20	00						
Storage temperature [°C] Noise emission (typical) [dB]			30						
Noise emission (typical) [dB] Dimensions and weight		<							
Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm]	21.5	435x5	95x145	22					
Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg]	21.5	435x5 22	30	22					
Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept	21.5	435x5' 22 Conve	95x145	22					
Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology	21.5	435x5 [,] 22 Conv Transfor	95x145	22					
Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces	21.5	435x5 22 Conv Transfor RS485/RS232	95x145 22 ection mer-less (wifi optional)	22					
Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces LCD display	21.5	435x5 22 Conv Transfor RS485/RS232 Backlight, 16x2	95x145 22 ection mer-less (wifi optional) 2 character LCD	22					
Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces	21.5	435x5 22 Conv Transfor RS485/RS232 Backlight, 16x2	95x145 22 ection mer-less (wifi optional)	22					
Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces LCD display	21.5	435x5 22 Conv Transfor RS485/RS232 Backlight, 16x2	95x145 22 ection mer-less (wifi optional) 2 character LCD	22					
Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces LCD display Standard warranty [year]	21.5	435x5 22 Conv Transfor RS485/RS232 Backlight, 16x2	95x145 22 ection emer-less (wifi optional) 2 character LCD ptional)	22					





Efficiency Curve



Output Power/Rated Power

SOLAX SOLAR INVERTER

ZDNY-TL10000 / 12000 / 15000 / 17000

Optimised three phase inverter

THREE PHASE DUAL MPPT

High performance

- MPPT efficiency up to 99.9%
- Maximum efficiency up to 98.2%
- Maximum DC input voltage of 1000V
- Dual MPP tracker and wide MPPT voltage range for more flexible
- Configuration and higher yield

Flexibility and reliability

- Integrated DC switch
- OptiCool: temperature controlled fan
- High protection class IP65 (indoor/outdoor use)
- Multiple protections: RCD, isolation, over voltage, and earth protection, etc

User-friendly

- Multi-lingual display
- Graphic LCD display
- RS485, Bluetooth, WIFI and 3G (optional) communication for monitoring
- "Plug and play" connection for easy installation and maintenance

Technical Data

Inverter Model	ZDNY-TL10000	ZDNY-TL12000	ZDNY-TL15000	ZDNY-TL1700			
Input (DC)							
·	10260	12200	15270	17420			
Max. recommended DC power [W]	10260 1000	12300 1000	15370 1000	17420 1000			
Max. turn on DC voltage [V]							
Max. input current [A]	A:22 /B:11	A:22 /B:11	A:22 /B:22	A:22 /B:22			
MPPT voltage range [V]	320-800	380-800	350-800 220/250	400-800			
Min. DC voltage /start voltage [V] Number of MPP trackers /strings per MPP tracker	220/250 2/A:3 B:1	220/250 2/A:3 B:1	2/A:3 B:3	220/250 2/A:3 B:3			
Output (AC)	1	I	I	1			
	10000	12000	15000	17000			
AC nominal power [W]	10000	12000	15000	17000			
Max. AC power [W]	10000			17000			
Nominal AC voltage; range [V]			400; 160-280				
AC grid frequency; range [Hz] Max. AC current [A]	16	20	14-55 24	25			
	10		.0.9 underexited	23			
Power factor (Full load) Total harmonic distortion (THD)	<3%	<3%	<3%	<3%			
		1370	(370	1370			
Effciency							
MPPT efficiency	99.9%	99.9%	99.9%	99.9%			
Euro-efficiency	97.6%	97.6%	97.6%	97.6%			
Max. efficiency	98.2%	98.2%	98.2%	98.2%			
Power consumption							
Input standby power [W]	<10	<10 <10 <10					
Internal consumption (night) [W]	<1	<1	<1	<1			
Internal overvolatage protection DC current/insulation monitoring Grid monitoring/Earth fauth monitoring Islanding protection RCD protection	YES YES/YES YES/YES YES YES YES						
Protection class(IEC62103)/overvoltage category(IEC 60664-1)		1/	III 				
Environment limits							
Degree of protection			4 for fan)				
Operating temperature range [°C]			rating at 45)				
Humidity [%]			condensing)				
Altitude [m]			000				
Storage temperature [°C]		-20	~60				
		-20					
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight		-20 <	~60 50				
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm]		-20 < 513x65	~60 50 1.5x207				
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg]	48	-20 < 513x65 48	~60 50 1.5x207 50.5	50.5			
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm]	48	-20 < 513x65 48 OptiCool: tempera	~60 50 1.5x207 50.5 ture controlled fan	50.5			
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg]	48	-20 < 513x65 48 OptiCool: tempera transfor	~60 50 1.5x207 50.5 ture controlled fan mer-less	50.5			
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept	48	-20 < 513x65 48 OptiCool: tempera transfor	~60 50 1.5x207 50.5 ture controlled fan	50.5			
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology	48	-20 < 513x65 48 OptiCool: tempera transfor RS485/RS232/Dry co	~60 50 1.5x207 50.5 ture controlled fan mer-less	50.5			
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces	48	-20 < 513x65 48 OptiCool: tempera transfor RS485/RS232/Dry co	~60 50 1.5x207	50.5			
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces LCD display Standard warranty [year]	48	-20 < 513x65 48 OptiCool: tempera transfor RS485/RS232/Dry co	~60 50 1.5x207	50.5			
Storage temperature [°C] Noise emission (typical) [dB] Dimensions and weight Dimensions (WxHxD)[mm] Weight [Kg] Cooling concept Topology Communication interfaces LCD display	48	-20 < 513x65 48 OptiCool: tempera transfor RS485/RS232/Dry co	~60 50 1.5x207 50.5 Sture controlled fan mer-less contact (wifi optional) sic LCD ptional)	50.5			

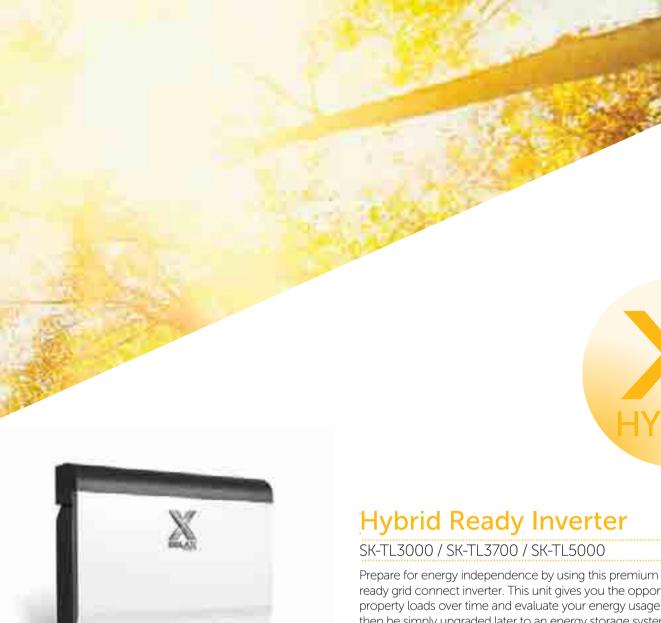


USE ENERGY, STORE IT, OR FEED IT INTO THE GRID, IT IS NOW POSSIBLE WITH X-HYBRID.

Remove your independence from traditional power providers considering the intelligent SolaX Hybrid Series with charger.

As we know, Solar panels generate the most energy during the day when the sun is shining and when you and your family tend to use the least energy or have the lowest consumption levels.

With ongoing increases in energy prices and the continual decrease of the feed-in-tariff, you must make the most out of your solar energy. Our X-Hybrid 'Self-use Energy Storage System' is the perfect solution to solve this problem and to get the most out of your solar energy both today and into the future. Our Hybrid solution makes it possible to utilise solar power time-independently by storing unused capacity. It converts and directs solar power to where it is needed, when it is needed.



Prepare for energy independence by using this premium quality hybrid ready grid connect inverter. This unit gives you the opportunity to monitor property loads over time and evaluate your energy usage patterns. It can then be simply upgraded later to an energy storage system by adding 1-4 solax battery manager units and your battery bank.

Self-Use Hybrid Inverter

SK-SU3000 / SK-SU3700 / SK-SU5000

The SU series of hybrid inverter includes 1 built-in battery manager unit and solar MPPT. This unit is extremely flexible and can be simply upgraded to support multiple battery banks by adding additional battery manager units. This intelligent hybrid inverter provides a full solution for energy consumers to maximize the use of their generated solar energy to minimize their energy bills.



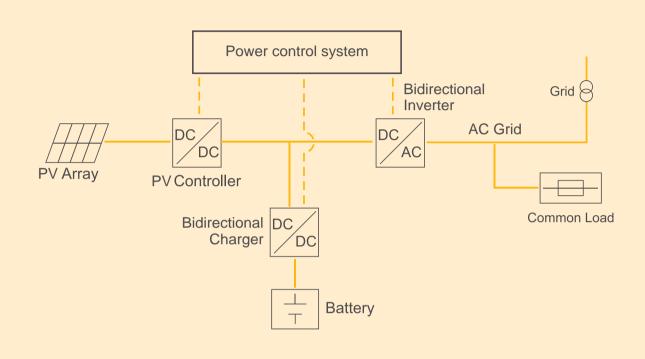
SK-TL3000 / SK-TL3700 / SK-TL5000

SK-SU3000 / SK-SU3700 / SK-SU5000 WITH CHARGER

HYBRID WORKING THEORY

Sunbank Self-use Energy Storage System converts DC electricity generated by solar panels to AC electricity for grid and load to DC for the battery.

The electricity will be provided for load first, and the excessive electricity will be stored in the battery, after the battery is fully charged, the electricity will be fed into the grid.



X-HYBRID ADVANTAGES

COMPARED TO TRADITIONAL GRID-TIED SOLAR SYSTEM

- Save money on your power bills by increasing the proportion of self-use electricity generated by your solar system from 30% to more than 70%.
- Save money by becoming independent from ever increasing energy prices.
- Reduce stress on the grid by reducing your solar power feed.
- Manage property consumption and generation remotely via built-in CT & Wifi monitoring solution.

COMPARED TO OTHER BRANDS

Reliable

• European, American and Japanese made key components.

Efficient

 Highly effective solar power utilisation and long battery life by intelligent designed charging module.

User-friendly

• Intelligent man-machine interaction mode.

X-Hybrid Solar Inverter

MODEL	SK-TL3000	SK-TL3700	SK-TL5000					
Input (DC)								
Max. recommended DC power [W]	3300	4000	5000					
Max. DC voltage[V]	550							
Nominal DC operating voltage[V]	360							
MPPT voltage range [V]		125-530						
Max. input current [A]	12/12	12/12	12/12					
Max. short circuit current [A]	15/15	15/15	15/15					
Number of MPP trackers	2	2	2					
Strings per MPP tracker	1	1	1					
Output (AC)	·							
AC nominal power [W]	3000	3680	4600					
Nominal AC voltage; range [V]	2	30VAC 50Hz; 180~270V	AC .					
AC nominal current [A]	13	16	20					
Max. AC current [A]	14.4	16	22.1					
Total harmonic distortion (THD)		<3%						
Power factor (rated power)		1						
Displacement Power Factor	0.9	overexited0.9 underex	rited					
Efficiency	<u> </u>							
MPPT efficiency	99.9%	99.9%	99.9%					
Euro-efficiency	97.0%	97.0%	97.0%					
Max. efficiency	97.6%	97.6%	97.6%					
Standby losses		<3W	23333					
Display		Packlight 16*4 characto	-					
Communication interfaces		Backlight 16*4 character						
	Etrier	Ethernet/Dry contact (wifi optional) 4						
LED light Button		4						
Button		4						
Others								
DC switch		Integrated						
Max No. of supported External expansion		4						
Operating temperature range [°C]		-20~+50 (derating at 40)					
Storage stability range [°C]		-20~+60						
Altitude [m]		<2000						
Cooling concept		Forced airflow						
Noise emission (typical) [dB]		<40						
Humidity [%]		0~90 (non-condensing)						
Degree of protection		IP20 (for indoor use)						
Overvoltage category	III (e	lectric supply side), II (PV	side)					
EMC		IEC61000-6-1/2/3/4						
Topology		Transformer-less						
Warranty		Standard 5 years						
Dimensions (W /H / D) [mm]		635 x 520 x 150						
Weight [kg]		25						
Certificate	Germany, Austral	ia, Belgium, Netherlands	, Denmark, Austri					



X-Hybrid Solar Inverter For Self-Use

MODEL	SK-SU3000	SK-SU3700	SK-SU5000			
MODEL	5K-5U3UUU	5K-5U3/UU	2K-203000			
➤ Input (DC)						
Max. recommended DC power [W]	3300	4000	5000			
Max. DC voltage[V]		550				
Nominal DC operating voltage[V]		360				
MPPT voltage range [V]		125-530				
Max. input current [A]	12/12	12/12	12/12			
Max. short circuit current [A]	15/15	15/15	15/15			
Number of MPP trackers	2	2	2			
Strings per MPP tracker	1	1	1			
➤ Output (AC)						
AC nominal power [W]	3000	4600				
Nominal AC voltage; range [V]	230VAC 50Hz; 180~270VAC					
AC nominal current [A]	13	16	20			
Max. AC current [A]	14.4	22.1				
Total harmonic distortion (THD)		<3%	'			
Power factor (rated power)		1				
Displacement Power Factor	0.95	overexited0.95 under	exited			

X-Hybrid Solar Inverter For Self-Use (continued)

MODEL	SK-SU3000	SK-SU3700	SK-SU5000				
➤ Battery Manager							
Battery type	Lea	d-acid battery/lithium	battery				
Battery nominal voltage [V]	48						
Charger expansion	support up to 3 external expansions						
Max. charging current [A]	25~1	00 depends on No. of	chargers				
Charging curve	3-st	age adaptive with main	tenance				
Over-current protection/Over-temperature protection		YES					
Communication interfaces		Can/RS232					
► Charge							
Max.power[W]		1300					
Max.charge current[A]		25					
Max.charge efficiency		93%					
Depth of discharge		80%(adjustable)					
	I						
➤ Discharge	I						
Max.power[W]		1300					
Max.discharge current[A]		25					
Max.discharge efficiency		93%					
► Efficiency							
MPPT efficiency	99.9%	99.9%	99.9%				
Euro-efficiency	97.0%	97.0%	97.0%				
Max. efficiency	97.6%	97.6%	97.6%				
Standby losses		<3W					
► Display							
LCD		Backlight 16*4 charac	ter				
Communication interfaces	Ethernet/Dry contact (wifi optional)						
LED light		4					
Button		4					
	I						
► Others		luka suuska d					
DC switch		Integrated	40)				
Operating temperature range [°C]	-20~+50 (derating at 40)						
Storage stability range [°C]		-20~+60 <2000					
Altitude [m]							
Cooling concept Noise emission (typical) [dB]		Forced airflow					
Noise emission (typical) [dB]	<40						
Humidity [%]		0~90 (non-condensing					
Degree of protection	T7T -	IP20 (for indoor use					
Overvoltage category	111 (€	electric supply side), II (
EMC		IEC61000-6-1/2/3/4	•				
Topology		Transformer-less					
Warranty		Standard 5 years					
Dimensions (W/H/D) []	635 x 520 x 150						
Dimensions (W /H / D) [mm] Weight [kg]		25					

X-Hybrid Battery Manager Unit

MODEL	SK-BMU1300
➤ Battery Manager	
Battery type	Lead-acid battery/lithium battery
Battery nominal voltage [V]	48
Charger expansion	support external expansion
Max. charging current [A]	25~100 depend on No. of chaegers
Charging curve	3-stage adaptive with maintenance
Over-current protection/Over-temperature protection	YES
Communication interfaces	Can/RS232
➤ Charge	
Max.power[W]	1300
Max.charge current[A]	25
Max.charge efficiency	93%
Depth of discharge	80%(adjustable)
➤ Discharge Max.power[W]	1300
Max. discharge current [A]	25
Max. discharge efficiency	93%
➤ Others	
Operating temperature range [°C]	-20~+50 (derating at 40)
Storage stability range [°C]	-20~+60
Altitude [m]	<2000
Cooling concept	Forced airflow
Noise emission (typical) [dB]	<40
Humidity [%]	0~90 (non-condensing)
Degree of protection	IP20 (for indoor use)
EMC	IEC61000-6-1/2/3/4
Warranty	Standard 5 years
Dimensions (W /H / D) [mm]	200 x 520 x 150
Weight [kg]	10
Certificate	Germany, Australia, Belgium, Netherlands, Denmark, Austria



THEY CAN TALK!



COMMON FEATURES FOR ALL MONITORING SYSTEMS

- Remote monitoring via Suntellite Portal
- A variety of communication methods available, including Ethernet, WiFi, and 3G
- Quick installation and easy operation with "Plug & Play" function
- Storage of over 25 years
- Graphical display of PV system data on Suntellite Portal
- Operational failures can be detected rapidly and transmitted via email or SMS
- Report of collected data and performance can be sent via email regularly Free standard access to Suntellite Portal for the entire service life of the PV system

ZDNY-WE01-D

▶ General

Max. number of inverters	1-64
Inverter communication	RS485/422/232
Remote communication	WIFI(802.11b/g/n)Ethernet
Max. communication range	<1km
Data collection intervals	5 minutes(Default)/1-15 minutes(Optional)
Memory	SD Card/EEPROM(Optional)

ZDNY-WE01-D

How it works

- 1. You install the X app onto your mobile devices.
- 2. Operating within a 50 meter radius, the X app will then search and connect to the X inverter.
- 3. Once connected you can then easily monitor the inverter data via our X app and your mobile device.

WE MAKE IT SIMPLE



	ZDNY-WE01					
General						
Max. number of inverters	1-64					
Inverter communication	RS485/422/232					
Remote communication	WIFI(802.11b/g/n)Ethernet					
Max. communication range	<1km					
Data collection intervals	5 minutes(Default)/1-15 minutes(Optional)					
Memory	SD Card/EEPROM(Optional)					

ZDNY-WE01

How it works

- 1. Our Inverters upload operational data to the Xcloud* via WIFI.
- 2. Xcloud collects and processes those data every 30 seconds.
- 3. You can then monitor the data by simply logging into a registered account via your PC, iPhone or Android device.

NO WIFI @ HOME? WE STILL HAVE 3G!



	ZDNY-G01						
General							
Max. number of inverters	1-64						
Inverter communication	RS485/422/232						
Remote communication	3G						
Max. communication range	<1km						
Data collection intervals	5 minutes(Default)/1-15 minutes(Optional)						
Memory	SD Card/EEPROM(Optional)						

ZDNY-G01

How it works

- 1. Our Inverters upload operational data to Xcloud* via a built-in 3G SIM card.
- 2. Xcloud collects and processes those data every 30 seconds.
- 3. You can then monitor the data by simply logging into a registered account via your PC, iPhone or Android device.



PRODUCT CERTIFICATES

















Certificates	C	Έ	Australia	U	IK	Gern	nany	Greece	Belgium	France	Netherland	Czeche	Denmark	Slovenia	Bulgaria	Spain	Austria
Module	LVD	EMC	SAA	G83	G59	VDE0126	VDE4105	VDE0126	C10/11	UTE-15712	EN50438	EN50438	EN50438	EN50438	VDE0126	RD1699	OVE/ONORME 8001-4-712
CN TI 1500			1														
SN-TL1500			\ \ /														
SN-TL2200 SL-TL1500	1	1	٧,	1		1		1	1	1	1	1	1				
	√	٧,	√ ,	√,		√ /		٧	V	٧	√,	√ /	√,				
SL-TL2200	√	√	1	√		√		٧	٧	1	٧	√	√				
SL-TL2500	,		√,	,		,		,	,	,	,	,	,				
SL-TL2800	√	√	√	√		√		√	√	√	√.	√	√				
SL-TL3000	√	√	√	√		√		√	√	√	√	√	√				
SL-TL3300T	√	√	√	√		√		√	√	√	√	√	√				
SL-TL3600T	√	√		√		√		√	√	√	√	√	√				
SL-TL4400T	√	√	√	√	√	√		√	√	√	√	√					
SL-TL5000T	√	√	√	√	√	√		√	√	√	√	√					
ZDNY-TL10000	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	
ZDNY-TL12000	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	
ZDNY-TL15000	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	
ZDNY-TL17000	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	
SK-TL3000	√	√	√				√		√		√		√				√
SK-TL3700	√	√	V				V		V		V		V				V
SK-TL5000	V	V	V				V		V		V		V				V
SK-SU3000	√	√	, V				, V		V		√		√				V
SK-SU3700	√	V	J				V		V		√		V				V
SK-SU5000	√ 	V	√ V				, V		1		V		√				V
SK-BMU1300	√	√	V				V		<i>√</i>		√		v.				V





AT SOLAX
WE ARE CREATING THE INVERTERS
OF TOMORROW



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.

