



## Product Description

The SSE SPS series inverters have a modern industrial look and are built to last. With over 16 years experience manufacturing industrial electrical products and power quality equipment based on world class R&D and technology, you can be confident of high quality and outstanding performance backed by an international after sales support team.

SSE manufactures inverters from 1.5kw to 1MW. SSE was also selected as the national central inverter testing platform to create and maintain new standards for MW scale inverters. From a small apartment or family home to a warehouse, factory or large solar farm, SSE's comprehensive range of single, 3 phase and central inverters with single or multiple trackers gives you the ideal solution to your solar energy project.

## Features

### More Power

- From 96.9~98.3% conversion efficiency
- 99.9% MPPT efficiency
- Higher efficiency means more power to you

### User Friendly

- Large LCD display, easy to use and configure
- Real time monitoring on your PC, tablet or smart phone
- Excellent fault diagnosis makes trouble shooting easy

### Greater flexibility

- Online monitoring, support for RS485, WiFi
- Low starting voltage & wide operating range
- Multiple language & local power supply settings standard

### Maintenance free

- IP65 protection & low noise for indoor/outdoor installation
- High accuracy log retains data for 14 days without power
- Thermal simulation testing ensures high reliability & long life

## Specification

	SPS1K5TL	SPS2K2TL	SPS3KTL-B
<b>Input (DC Side)</b>			
Max. DC power (W)	1800	2500	3250
Max. DC voltage (V)	500		
Starting voltage (V)	100		
MPPT operating voltage range (V)	120- 450		
Rated power voltage range (V)	180 - 450	180 - 450	200 - 450
Number of MPPT/ Strings per MPPT	1/1	1/1	1/2
Max. DC current (A) per MPPT x number of MPPT	10x1	11x1	15x1
DC switch	Optional		
DC terminal	SUNCLIX water-proof terminal		
<b>Output (AC Side)</b>			
Rated power (W)	1500	2200	3000
Max. AC current (A)	7.5	11	15
AC voltage rang	180~270Vac		
Grid frequency	50Hz(47~51.5Hz) / 60Hz(57~61.5Hz)		
Power factor	≥0.99(at rated power)		
THDI	< 3% (at rated power)		
AC connection	Single-phase (L, N, PE)		
<b>Efficiency</b>			
Max. efficiency	96.90%	97.20%	97.30%
Euro-efficiency	96.00%	96.10%	96.30%
MPPT efficiency	99.9%		
<b>Display and Communication</b>			
Display	3.5 inch LCD display, backlit display		
System language	English, Chinese		
Communication mode	RS485(Standard); WiFi, Ethernet(Optional)		
<b>Mechanical Data</b>			
Dimension (H x W x D mm)	460x328x172		
Weight (kg)	≤16.5		
Cooling	Natural cooling no fans		
<b>General Data</b>			
Protection degree	IP65		
Consumption at night	<1W		
Topology	Transformer-less		
Ambient temperature	-25°C ~ +60°C, derates over 45°C		
Relative humidity	0~95%, no condensation		
Protection	DC isolation monitoring, DC monitoring, ground fault monitoring, grid monitoring, island protection, over voltage, short circuit, etc.		
Warranty	Standard 5 Years, optional extension		
Certificates	TÜV, CE, VDE0126-1-1(VDE-AR-N4105), G83/1, G59/2, C10/11, TF3.2.1,AS4777/3100, CQC, EN61000-6-1:4, EN61000-3-2:3, EN61000-11:12; IEC 62109-1:2010		

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