



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

	SPS4KTL-E	SPS4K6TL-E	SPS5KTL-E	SPS4KTL-ED	SPS4K6TL-ED	SPS5KTL-ED
Input (DC)						
Max. DC voltage(V)	595					
Recommend DC Voltage (V)	550					
Starting voltage (V)	100					
MPPT operating voltage range (V)	120 - 500					
Rated power voltage range (V)	200 - 500	250 - 500	270 - 500	180 - 500	190 - 500	200 - 500
Number of MPPT/ sTLing per MPPT	1/2	1/2	1/2	2/1	2/1	2/1
Max. DC power (W)	4000	4600	5000	4000	4600	5000
Max. DC current (A) per MPPT x number of MPPT	18x1	18x1	18x1	14x2	15x2	16x2
DC switch	Optional					
Output (AC)						
Rated power (W)	3680	4200	4600	3680	4200	4600
Max. AC current(A)	16/18	21	23	16/18	21	23
AC voltage range	180~270Vac					
	According to AS4777.2:2005, AS4777.3:2005, AS/NZS3100:2009, G83/2-1:2012, G59-3-1:2013, VDE0126-1-1/A1:2012, C10/C11:2012					
Grid frequency	50Hz(47~51.5Hz) / 60Hz(57~61.5Hz)					
Power factor	≥0.99(at rated power)					
THD	< 3% (at rated power)					
AC connection	Single-phase (L, N, PE)					
System						
Cooling	Natural cooling					
Max. efficiency	97.40%	97.50%	97.60%	97.30%	97.40%	97.40%
Euro-efficiency	96.50%	96.50%	96.50%	96.40%	96.50%	96.50%
MPPT efficiency	99.90%					
Protection degree	IP65					
Night Consumption	<1W					
Isolation mode	TLansformerless					
Operating temp.	-25°C ~ +60°C, derate after 45°C					
Relative Humidity	0~95%, no condensation					
Protection	DC isolation monitoring, DC monitoring, grounding fault monitoring, grid monitoring, island protection, overvoltage and short circuit protection, etc.					
Display and Communication						
Display	3.5inches LCD display, support backlit display					
System language	English, Chinese					
Communication	RS485(Standard); WiFi, Ethernet(Optional)					
Mechanical Parameters						
Dimension(H x W x D mm)	560x415x190					
Weight (kg)	≤25					
Installation	Wall mounting					
Others						
DC terminal	SUNCLIX water-proof terminal					
Certifications	TÜV, CE, AS4777.2:2005, AS4777.3:2005, AS/NZS3100:2009, G83/2-1:2012, G59-3-1:2013, VDE0126-1-1/A1:2012, C10/C11:2012					

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