



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-B	SPS5KTL-B	SPS6KTL
Input (DC Side)			
Max. DC power (W)	4300	5300	6400
Max. DC voltage (V)		595	
Recommended DC voltage(V)		550	
Starting voltage (V)		100	
MPPT operating voltage range (V)		120 - 500	
Rated power voltage range (V)	200 - 500	200 - 500	200 - 500
Number of MPPT/ Strings per MPPT	2/1	2/1	2/2
Max. DC current (A) per MPPT x number of MPPT	14x2	16x2	18x2
DC switch	Optional		
DC terminal	SUNCLIX water-proof terminal		
Output (AC Side)			
Rated power (W)	4000	5000	6000
Max. AC current (A)	20	26	29
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)		
Efficiency			
Max. efficiency	97.40%	97.60%	97.60%
Euro-efficiency	96.50%	96.50%	96.50%
MPPT efficiency	99.9%		
Display and Communication			
Display	3.5 inch LCD display, backlit display		
System language	English, Chinese		
Communication mode	RS485(Standard); Wi-Fi, Ethernet(Optional)		
Mechanical Data			
Dimension (H x W x D mm)	560x415x190		
Weight (kg)	≤25.5		
Cooling	Natural cooling		Fan cooling
General Data			
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		
Certifications	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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