



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

	SPS6KTR	SPS8KTL	SPS10KTL-B	SPS12KTL-B	SPS15KTL-B
Input (DC Side)					
Max. DC power (W)	6400	8400	10400	12500	15600
Max. DC voltage (V)	1000				
Starting voltage (V)	180				
MPPT operating voltage range (V)	180- 800				
Rated power voltage range (V)	200-800	250 - 800	250 - 800	300 - 800	380 - 800
Number of MPPT/ String per MPPT	2/2	2/2	2/3	2/3	2/3
Max. DC current (A) per MPPT x number of MPPT	16x2	21x2	21x2	21x2	21x2
DC switch	Integrated (Lockable-off)				
DC terminal	SUNCLIX water-proof terminal				
Output (AC Side)					
Rated power (W)	6000	8000	10000	12000	15000
Max. AC current (A)	10	13	15	20	24
AC voltage rang	320~460Vac VDE0126-1-1(VDE-AR-N4105), G83/1, G59/2, C10/11, TF3.2.1, AS4777/3100, CQC				
Grid frequency	50Hz(47~51.5Hz) / 60Hz(57~61.5Hz)				
Power factor	-0.9~+0.9 (Adjustable)				
THDI	< 3% (at rated power)				
AC connection	Three-phase (L1, L2, L3, N, PE)				
Efficiency					
Max. efficiency	97.50%	97.80%	98.00%	98.00%	98.00%
Euro-efficiency	97.00%	97.00%	97.50%	97.50%	97.50%
MPPT efficiency	99.9%				
Display and Communication					
Display	3.5inches 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)	656x494x206				
Weight (kg)	≤35.5				
Cooling	Fan cooling				
General Data					
Protection degree	IP65				
Consumption at night	<1W				
Topology	Transformer-less				
Ambient temperature	-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, over voltage, short circuit, etc.				
Standard 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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