



### SS Series(Single-MPPT, Single-Phase)

JST-SS series inverter is designed under modern ID concept. There are three colors for option with fashionable appearance. It is widely and flexibly used in residential rooftop units because of its wide range of input voltage. It features very high conversion efficiency and reliability. SS series provides long-term and stable generating benefits. The powerful, intelligent, user-friendly interface and smart design makes it most suitable for residential applications.

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- THDi less than 1%
- Up to 10 safety measurements
- DC switch
- IP65 dust-proof and water-proof
- 45 full-load output
- Wide range of MPPT voltage
- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

### Technical Data

	JST-1500-SS	JST-2000-SS	JST-3000-SS	JST-4000-SS	JST-4600-SS
<b>DC Input Data</b>					
Max. DC power [W]	1800	2300	3200	4600	5400
Max. DC voltage [V]	450	500	500	580	580
MPPT voltage range [V]	125-450	125-450	125-450	125-550	125-550
Starting voltage [V]	125	125	125	125	125
Max. DC current [A]	12	15	18	20	20
No. of DC connectors	1	1	2	2	2
No. of MPPTs	1	1	1	1	1
DC connector	SUNCLIX / MC4 (optional)			SUNCLIX / MC4 (optional)	
<b>AC Output Data</b>					
Normal AC power [W]	1500	2000	3000	4000	4600
Max. AC power [W]	1650	2000	3000	4400	5100
Max. AC current [A]	8	10	15	22	25
Normal AC output	50/60Hz; 230Vac			50/60Hz; 230Vac	
AC output range	45-55Hz/55-65Hz; 180-270Vac			45-55Hz/55-65Hz; 180-270Vac	
THDi	<1%			<1%	
Power factor	0.9 leading-0.9 lagging			0.9 leading-0.9 lagging	
Grid connection	Single phase	Single phase	Single phase	Single phase	Single phase
<b>Efficiency</b>					
Max. efficiency	97.0%	97.0%	97.0%	97.8%	97.8%
Euro efficiency	>96%	>96%	>96.5%	>97.4%	>97.4%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%	>99.5%	>99.5%
<b>Protection</b>					
Residual current monitoring unit	Integrated			Integrated	
Anti-islanding protection	Integrated			Integrated	
DC switch	Integrated (optional)			Integrated (optional)	
AC over current protection	Integrated			Integrated	
Insulation monitoring	Integrated			Integrated	
<b>Certifications&amp;Standards</b>					
Grid regulation	VDE-AR-N 4105, AS4777.2&.3, RD1699, G83/2, IEC62109-2, VDE0126-1-1+A1, EN50438			VDE-AR-N 4105, AS4777.2&.3, RD1699, G59/2, IEC62109-2, VDE0126-1-1+A1, EN50438, NRS097-2-1	
Safety	According to IEC62109-1&-2, AS3100			According to IEC62109-1&-2, AS3100	
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3			EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3	
<b>General Data</b>					
Dimensions (WxHxD)	330*350*125mm			390*417*142mm	
Weight [kg]	12	12	13	18	18
Mounting	Wall bracket			Wall bracket	
Ambient temperature range	-20-60°C (> 45°C derating)			-20-60°C (> 45°C derating)	
Relative humidity	0-95%			0-95%	
Max. operating altitude	2000			2000	
Protection degree	IP65			IP65	
Topology	Transformerless			Transformerless	
Night power consumption [W]	<1			<1	
Cooling	Nature convection			Nature convection	
Noise emission [dB]	<25			<25	
Display	4.0" LCD			4.0" LCD	
Communication	USB2.0; RS485 or WiFi			USB2.0; RS485 or WiFi	
Standard warranty [years]	5/10/15/20/25 (optional)			5/10/15/20/25 (optional)	



color options