



Solar Grid-connected Inverter

JSI Series Single Phase String Inverter



JSI-1500TL, JSI-2000TL, JSI-2500TL

JSI-3000TL, JSI-3600TL

JSI-5000TL, JSI-6000TL

Features

High performance string inverters

- From 1.5KW to 6.0KW
- Wide PV input voltage range
- Rapid MPPT tracking technology
- Superior PV energy harvest
- Transformerless design with higher operation efficiency
- Excellent thermal performance
- High overload capability under most ambient conditions

Full data display and communications

- LCD display energy data
- Bright LED indicators imply system status at a glance
- PC software for remote monitoring and system trouble shooting
- Integrated RS232 serial communications

Easy and affordable to install

- Lightweight and compact size
- Includes a lightweight portable bracket simplifying installation
- Firm IP65 inverter enclosure allows outdoor application

Cost advantages

- Transformerless design cutting down the cost
- Light weight and small dimension, reducing shipping cost
- Low maintenance expense

Certificates

TUV, SAA, CE, CQC, AS4777.2/3, AS/NZS 3100, VDE 0126-1-1, EN62109-1/2, G83, G59, CNCA/CTS0004-2009A, CNCA/CTS0006-2010, EN61000-6-1/2/3/4, EN62109-1/2, RD1663, C10-11

Technical data

Model (JSI)	1500TL	2000TL	2500TL	3000TL	3600TL	5000TL	6000TL
Input (DC side)							
Max. DC Input Power	1750W	2300W	2700W	3660W	3750W	5300W	6400W
Max. DC Voltage	450Vdc	500Vdc				550Vdc	
Start Voltage	150Vdc						
MPPT Operating Range	100~450Vdc					100~500Vdc	
Number of Parallel Inputs	1		2			3	
Number of MPP Trackers	1						
Max. Input Current	10A	13A	14.5A	20A	20A	22.5A	27.5A
Output (AC side)							
Nominal Output Power	1500W	2000W	2490W	3000W	3600W	4600W	6000W
Max. Output Power	1650W	2200W	2490W	3400W	3600W	5000W	6000W
Nominal Output Current	6.5A	8.7A	10.8A	13A	15.7A	20A	26A
Max. Output Current	7.9A	10.5A	12A	15.7A	16A	24A	29.3A
Nominal AC Output Voltage	230Vac						
AC Output Voltage Range*	190~265Vac						
AC Grid Frequency Range*	50±5Hz						
Power Factor (cosφ)	>0.99						
THDI	<3% (at nominal output power)						
Efficiency							
Max Efficiency	96.5%	97.0%	97.1%	97.2%	97.3%	97.4%	97.4%
Euro Efficiency	95.5%	96.2%	96.3%	96.4%	96.6%	96.8%	96.8%
MPPT Efficiency	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%
System							
Operating Temperature	-25°C~+60°C						
Noise (typical)	≤20dB (A)						
Consumption at night	0 W						
Electrical Isolation	Transformerless						
Cooling Concept	Natural Cooling						
Degree of Protection	IP65						
Communication	RS232 (WiFi optional)						
Dimension (W*D*H mm)	345*152*315	345*152*355		345*152*385		345*152*505	345*162*573
Weight (kg)	12	13	13	15	15	19	24

*AC grid voltage range and frequency range depend on local standards.