

JSI Series Single-Phase String Inverter



JSI-750TL~JSI-1100TL

JSI-2500TL~JSI-3600TL

Features

High performance string inverters

- From 0.75kW to 3.6kW
- 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
- Firm IP65 inverter enclosure allows outdoor application

Cost advantages

- Transformerless design cutting down cost
- Light weight and small dimension, to reduce shipping cost
- Low maintenance expense
- IP65 protection degree, suitable for outdoor installation, reducing construction cost

Certificates and Standards

CE, EN62109-1 & 2, G83/2, EN61000-6-1 & 2 & 3 & 4,
EN62109-1 & 2, BS EN 61000-3-2 Class A, BS EN 61000-3-3 Class A

Technical data

Model (JSI)	750TL	1100TL	1500TL	2000TL	2500TL	3000TL	3600TL
Input (DC Side)							
Max. DC input power (W)	900	1300	1750	2300	2800	3300	4000
Max. DC voltage (Vdc)	450			500			
Start voltage (Vdc)	60			150			
MPPT operating range (Vdc)	50~450			100~450			
Number of parallel inputs	1				2		
Number of MPPT trackers	1						
Max. input current (A)	10	12	10	13	14.5	20	21
Output (AC Side)							
Nominal output power (W)	750	1100	1500	2000	2500	3000	3600
Max. output power (W)	750	1100	1650	2200	2500	3200	3600
Nominal output current (A)	3.3	4.8	6.5	8.7	10.8	13	15.7
Max. output current (A)	4.0	5.7	7.9	10.5	12.5	15.7	16
Nominal AC output voltage (Vac)	230						
Harmonic current emissions	According to BS EN 61000-3-2 Class A						
Voltage fluctuations and flicker	According to BS EN 61000-3-3 Class A						
Power factor (cosφ)	>0.99						
Under frequency protection (Hz)	47.5 (stage 1)/47 (stage 2)						
Over frequency protection (Hz)	51.5 (stage 1)/52 (stage 2)						
Under voltage protection (Vac)	200.1 (stage 1)/184 (stage 2)						
Over voltage protection (Vac)	262.2 (stage 1)/273.7 (stage 2)						
THDI	<3% (at nominal output power)						
System							
Max. efficiency	96.5%	96.5%	96.5%	97.0%	97.0%	97.2%	97.3%
Euro. efficiency	95.4%	95.4%	95.5%	96.2%	96.1%	96.4%	96.5%
MPPT efficiency	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%
Operating temperature (°C)	-25~+60						
Noise (typical) [dB (A)]	≤20						
Consumption at night (W)	0						
Electrical isolation	Transformerless						
Cooling concept	Natural cooling						
Degree of protection	IP65						
Grid protection	According to G83/2						
Communication	RS232 (WiFi optional)						
Dimension (W*D*H mm)	290*150*295	290*150*295	345*152*315	345*152*355		345*152*385	
Weight (kg)	7.0	7.5	12	13		15	