

## JFY Grid Tie Inverter (JSI Series)



### Specification

- ◆ Compact size and high power density
- ◆ High speed MPPT for real time power tracking and improved energy harvesting
- ◆ Transformerless operation for highest efficiency 97%
- ◆ High overload capability under most ambient conditions
- ◆ Certified grid connected operation according to the international standards
- ◆ True sine wave output
- ◆ Integrated RS485/RS232 serial communications
- ◆ Multi-language LCD display

## Parameter

MODEL (JSI)	1500TL	2000TL	2500TL	3000TL	3600TL	5000TL	6000TL
Max. DC Input Power	1750W	2300W	2700W	3660W	3750W	5300W	6400W
Max DC Voltage	450Vdc	500Vdc				550Vdc	
MPPT Operating Range	100~450Vdc					100~500Vdc	
Number of Inputs	1		2			3	
Number of MPP Trackers	1						
Max. Input Current	10A	13A	14.5A	20A	20A	22.5A	27.5A
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)						
Max. efficiency	96.50%	97.00%	97.10%	97.20%	97.30%	97.40%	97.40%
Euro. efficiency	95.50%	96.20%	96.30%	96.40%	96.60%	96.80%	96.80%
MPPT. efficiency	99.60%	99.60%	99.60%	99.60%	99.60%	99.60%	99.60%
Operating Temperature	-25°C~+60°C						
Noise (typical)	≤20dB						
Operating Consumption	0 W						
Electrical Isolation	Transformerless						
Cooling Concept	Natural Cooling						
Protect Level	IP65						
Communication	RS232 (WIFI Optional )						
Dimension (WxDxH mm)	345*152*315	345*152*355		345*152*385		345*152*505	345*162*573
Weight (Kg)	12	13		15		19	24