

Outdoor solar on-grid inverter

BENEFITS

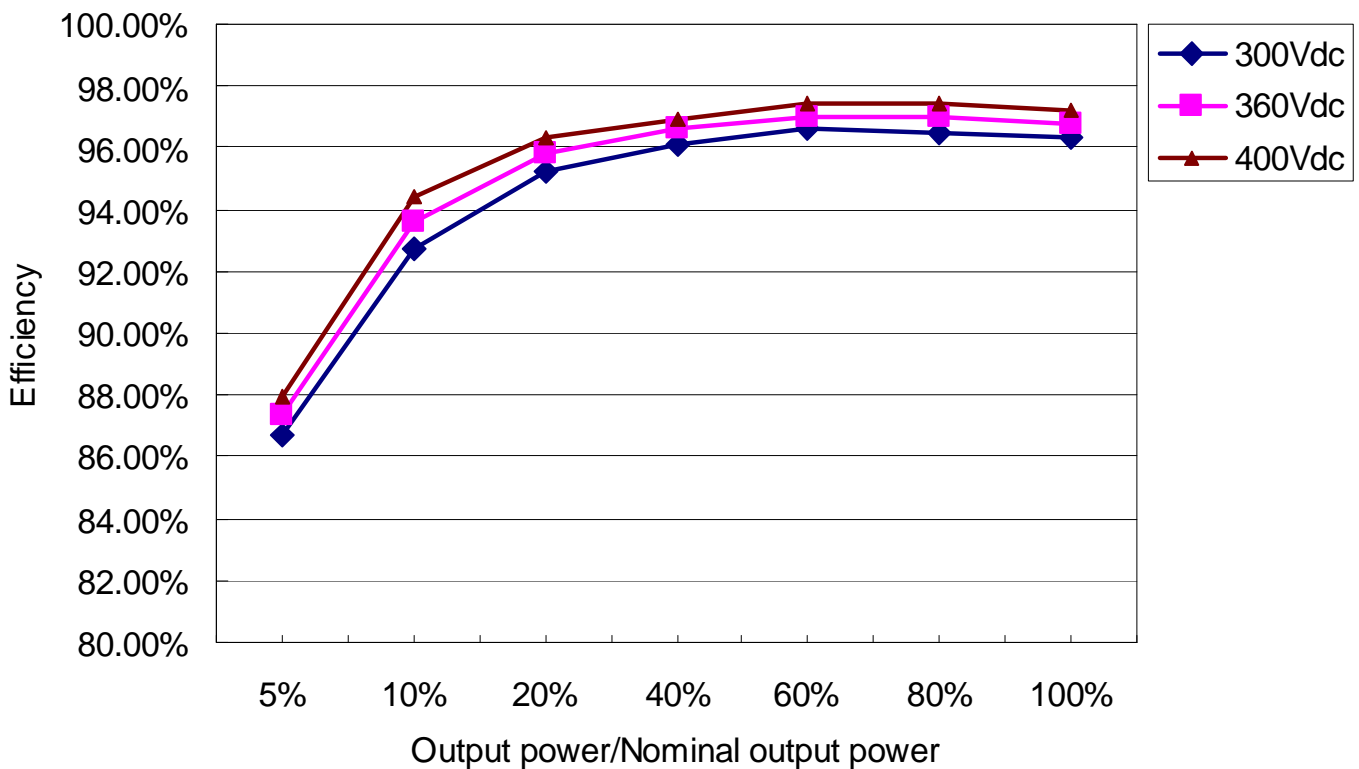
- 2 MPPT channels, new generation technology
- High speed MPPT for real time power tracking and improved energy harvesting
- Transformerless operation for highest efficiency: 97.6% (97.1% Euro)
- Certified grid connected operation according to the international standards
- True Sine Wave Output
- Integrated RS-485/RS-232 serial communication
- Multi-language display
- 2 MPPT channels can be independent or parallel, auto detecting operation

Suntwins 3300TL
Suntwins 4000TL
Suntwins 5000TL



Typical efficiency curve

Efficiency curve



CHARACTERISTICS	Suntwins 3300TL	Suntwins 4000TL	Suntwins 5000TL
Input Data(DC side)			
Max. DC power(total)	3600W	4380W	5300W
Max. DC power per MPPT	2000W	2500W	3000W
Max. DC voltage	500Vdc	500Vdc	500Vdc
MPPT Operating range	100~450Vdc	100~450Vdc	100~450Vdc
Number of parallel inputs	2	2	2
Number of MPPT trackers	2	2	2
Max. input current	IN1:10A/IN2:10A	IN1:13A/IN2:13A	IN1:15A/IN2:15A
Output Data(AC side)			
Nominal output power	3300W	4000W	4950W
Max. Output power	3300W	4000W	4950W
Nominal output current	14.3A	17.4A	21.5A
Max. output current	16.5A	20A	25A
Nominal AC voltage	230Vac		
AC voltage range *	190~265Vac		
Nominal AC grid frequency	50Hz		
AC grid frequency range*	50 ± 5 Hz		
Power factor(cos φ)	>0.99		
Harmonic distortion(THDI)	<3%(at nominal output power)		
Efficiency			
Max. efficiency	97.4%	97.6%	97.4%
Euro efficiency	97.0%	97.1%	97.0%
MPPT efficiency	99.6%	99.6%	99.6%
General data			
Dimensions (W / D / H)	345*152*435mm		
Net weight	18Kg		
Operating temperature range	-25 °C ~ +60 °C		
Noise emission (typical)	≤ 25 dB(A)		
Power consumption at night	0 W		
Electrical isolation	Transformer-less		
Cooling concept	Natural cooling		
IP Code	IP65		
Communication	RS-232(RS-485 is optional)		

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

MODEL SUMMARY

Model name	Output power
Suntwins 3300TL	3300W
Suntwins 4000TL	4000W
Suntwins 5000TL	4950W

STANDARDS AND CODES

JSI inverters comply with standards set for grid-tied operation, safety and electromagnetic compatibility including:

Enel Guida, AS4777, AS/NZS 3100, IEC 62109-1, IEC62109-2, EN50178, EN61000, G83/1, CE certification.