

JFY Grid Tie Inverter 3 Phase



Specification

- ◆ Compact size and high power density
- ◆ High speed MPPT for real time power tracking and improved energy harvesting
- ◆ Transformerless operation for highest efficiency 98.2%
- ◆ High overload capability under most ambient conditions
- ◆ Certified grid connected operation according to the international standards
- ◆ True three phase sine wave output
- ◆ Integrated RS485/RS232 serial communications
- ◆ Multi-language friendly LCD display
- ◆ Easy maintenance cooling fans

MODEL(SUNTREE)	5000TL	6000TL	8000TL	10000TL	12000TL	15000TL	17000TL	20000TL	30000TL	
Max. DC Input Power	5180W	6200W	8300W	11200W	13300W	15800W	17900W	21000W	32000W	
Max DC Voltage	900Vdc			1000Vdc						
MPPT Operating Range	250~720Vdc			250~800Vdc					400~800Vdc	
Number of Inputs	2			4		6			10	
Number of MPP Trackers	2									
Max. Input Current	20A	24A	32A	44A	48A	60A	64A	70A	82A	
Nominal Output Power	5000W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	30000W	
Max. Output Power	5000W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	33000W	
Nominal Output Current	7.3A	8.7A	11.6A	14.5A	17.4A	21.7A	24.6A	29.0A	43.5A	
Max. Output Current	7.9A	9.5A	12.7A	16.2A	19.4A	24.3A	27.5A	32.3A	48A	
Nominal AC Output Voltage	400Vac									
AC Output Voltage Range	330~480Vac									
AC Grid Frequency Range	50Hz/60Hz									
Power Factor (cosφ)	0.9(leading)~0.9(lagging)									
THDI	<3%(at nominal power output)									
Max. efficiency	97.6%	97.8%	98.1%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	
Euro. efficiency	96.7%	96.9%	97.3%	97.6%	97.6%	97.6%	97.6%	97.6%	97.8%	
MPPT. efficiency	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	99.9%	
Operating Temperature	-25°C~+60°C									
Noise (typical)	<25dB			<50dB					≤65dB	
Operating Consumption	0W									
Electrical Isolation	Transformerless									
Cooling Concept	Natural Cooling			Fan Cooling(IP54)						
Protect Level	IP65									
Communication	RS485/RS232(WIFI Optional)									
Dimension (WxDxH)(mm)	470*165*560			470*165*585		470*165*670			580*235*800	
Weight (Kg)	32			35		50			60	