



# SUNTWINS Series Dual MPPT String Inverter



## Features

### High performance string inverters

- From 3.0KW to 4.6KW
- Wide PV input voltage range
- Rapid MPPT tracking technology
- Two MPPT trackers
- Superior PV energy harvest
- Transformerless design with higher operation efficiency
- Excellent thermal performance
- High overload capability under most ambient conditions

### Easy and affordable to install

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

### 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 troubleshooting
- Integrated RS232 serial communications

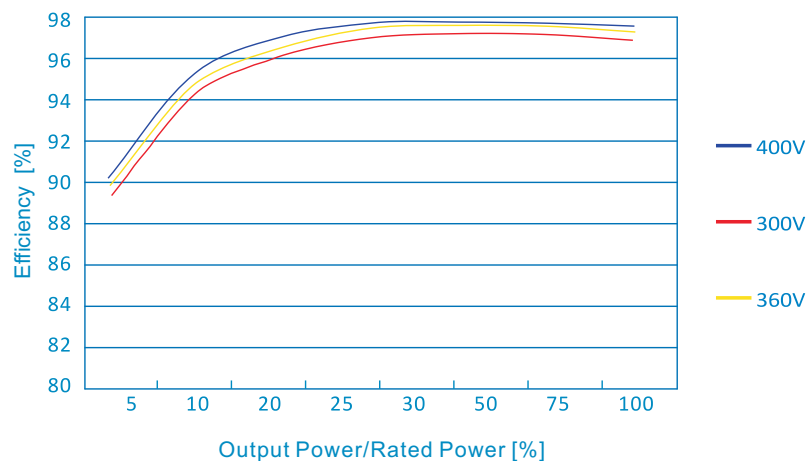
### Cost advantages

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



SUNTWINS 3300TL~SUNTWINS 5000TL

## Typical Efficiency Curve



## Technical data

Model (SUNTWINS)	3300TL	4000TL	5000TL
Max. DC Input Power	3600W	4380W	5300W
Max DC Voltage	500Vdc		
MPPT Operating Range	100~450Vdc		
Number of Inputs	2		
Number of MPP Trackers	2		
Max. Input Power per MPPT	2000W	2300W	3000W
Max. Input Current	IN1: 10A/IN2: 10A	IN1: 13A/IN2: 13A	IN1: 15A/IN2: 15A
Nominal Output Power	3300W	4000W	4950W/5000W
Max. Output Power	3300W	4000W	4950W/5000W
Nominal Output Current	14.3A	17.4A	21.5A
Max. Output Current	16.5A	20.0A	25.0A
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	97.4%	97.6%	97.6%
Euro. efficiency	97.0%	97.1%	97.1%
MPPT efficiency	99.6%	99.6%	99.6%
Operating Temperature	-25°C~+60°C		
Noise (typical)	≤25dB (A)		
Operating Consumption	0W		
Electrical Isolation	Transformerless		
Cooling Concept	Natural Cooling		
Protect Level	IP65		
Communication	RS232 (WIFI Optional)		
Dimension (W*D*H mm)	345*152*435		
Weight (kg)	16.5	18	18

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