

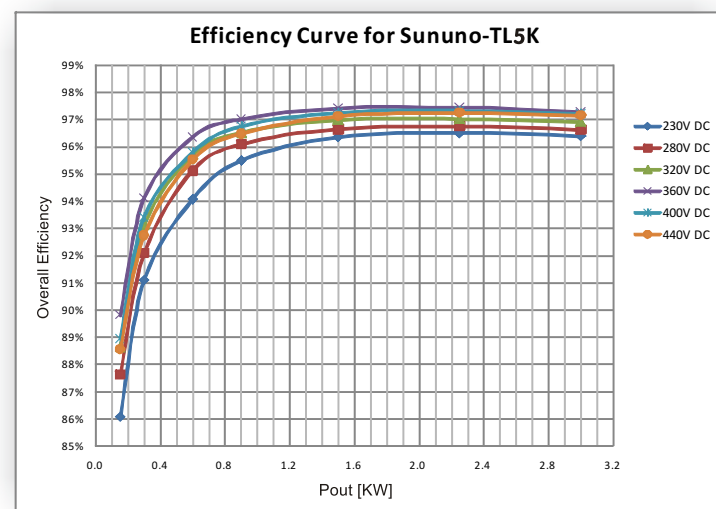
# Sununo-TL5K

## On-grid Single Phase Inverter

Dual MPPT



- High Yield**
  - Dual MPP tracker
  - Wide MPPT voltage range
  - Leading MPPT algorithm
- Flexible**
  - Multi-country configuration
  - RS485 / Ethernet / Wi-Fi communication
  - IP65 for indoor and outdoor use
  - Wide range of DC input voltage
- Reliable**
  - Comprehensive protection functions
  - Compact design, fanless
  - First-class components



## Technical Data

Sununo-TL5K

Model	Sununo-TL5K
<b>Input (DC)</b>	
Max. DC Power [W]	5200
Max. DC Voltage [V]	580
MPPT Voltage Range [V]	120-500
Nominal DC Voltage [V]	360
Start Voltage [V]	150
Min. DC Voltage [V]	100
Max. DC Input Current PV1 / PV2 [A]	16 / 16
Number of MPPT	2
String(s) per MPPT	1
DC Switch	Optional
<b>Output (AC)</b>	
Rated AC Power [W]	5000
Max. AC Power [W]	5000
Rated AC Current [A]	21.7
Max. AC Current [A]	25
Normal AC Voltage / Range	220V, 230V, 240V / 180V-280V
Grid Frequency / Range	50Hz, 60Hz / ±5Hz
Power Factor (cos φ)	>0.99 (full load)
Total Harmonic Distortion (THDi)	<2%
Feed-in Phase / Connection Phase	1/1
<b>Efficiency</b>	
Max. Efficiency	97.7%
Euro Efficiency (at 360Vdc)	97.1%
MPPT Accuracy	>99.5%
<b>Protection</b>	
Internal Over-voltage Protection	Integrated
DC Insulation Monitoring	Integrated
DCI Monitoring	Integrated
GFCI Monitoring	Integrated
Grid Monitoring	Integrated
AC Short Circuit Protection	Integrated
Thermal Protection	Integrated
Anti-islanding Protection	AFD
<b>Interface</b>	
DC Connection	MC4 / H4
LCD Display	LCD (16x2 Characters, Backlight) & LED (3 Lights)
Display Language	Multi Language
Datalogger & Communication	2*RS485 (Standard), Ethernet / Wi-Fi (Optional)
<b>General Data</b>	
Topology	Transformerless
Consumption at Night [W]	<0.2
Consumption at Standby [W]	6
Operating Temperature Range	-25°C to +60°C (45°C to 60°C with derating)
Cooling Method	Natural Convection
Ambient Humidity	0% to 98% Non-condensing
Altitude	Up to 2000m (without power derating)
Noise [dBA]	<40
Ingress Protection	IP65 (Indoor & Outdoor Installation)
Mounting	Rear Panel
Dimensions (W*H*D) [mm]	525*425*190
Weight [kg]	26
Standard Warranty [Year]	5 (Standard) 10 / 15 / 20 / 25 (Optional)
Certificates	AS4777, AS 3100, VDE0126-1-1 / A1, G59-2, G83-2, C10 / 11, UTE C15-712-1, TF3.2.1, EN 50438, IEC 62116, IEC 61727, IEC61000-6-2 / 3, IEC 62109-1 / 2