

Sununo-TL1K/1.5K/2K

On-grid Single Phase Inverter

One MPPT



Flexible

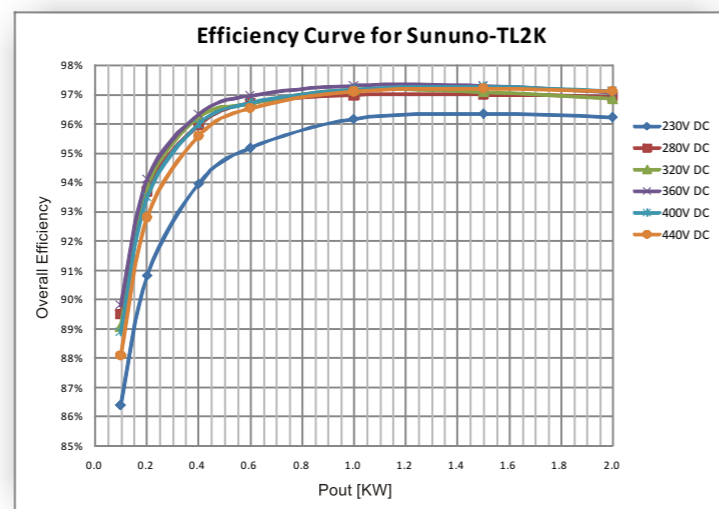
- Multi-country configuration
- RS485 / Ethernet / Wi-Fi communication
- Wide range of DC input voltage
- IP65 for indoor and outdoor use

Reliable

- Comprehensive protection functions
- Compact design, fanless
- First-class components

Efficient

- Max. efficiency up to 97.4%
- Euro. efficiency up to 96.7%
- MPPT accuracy up to 99.9%



Technical Data

Sununo-TL1K/1.5K/2K

Model	Sununo-TL1K	Sununo-TL1.5K	Sununo-TL2K
Input (DC)			
Max. DC Power [W]	1200	1800	2300
Max. DC Voltage [V]		480	
MPPT Voltage Range [V]	90~425	100~425	
Nominal DC Voltage [V]		360	
Start Voltage [V]	100	150	
Min. DC Voltage [V]	80	100	
Max. DC Input Current [A]	10	11	12
Number of MPPT		1	
String(s) per MPPT		1	
DC Switch		Optional	
Output (AC)			
Rated AC Power [W]	1000	1500	2000
Max. AC Power [W]	1100	1650	2200
Rated AC Current [A]	4.3	6.5	8.7
Max. AC Current [A]	5.7	8.5	11.0
Nominal 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	
Efficiency			
Max. Efficiency	97.2%	97.3%	97.4%
Euro Efficiency (at 360Vdc)	96.4%	96.5%	96.7%
MPPT Accuracy		>99.5%	
Protection			
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	
Interface			
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)	
General Data			
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]		415*313*140	
Weight [kg]		11	
Standard Warranty [Year]		5 (Standard) 10 / 15 / 20 / 25 (Optional)	
Certificates		AS 4777, AS 3100, VDE0126-1-1 / A1, 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	