

Sununo-TL3KB/4KB

On-grid Single Phase Inverter

One MPPT



Flexible

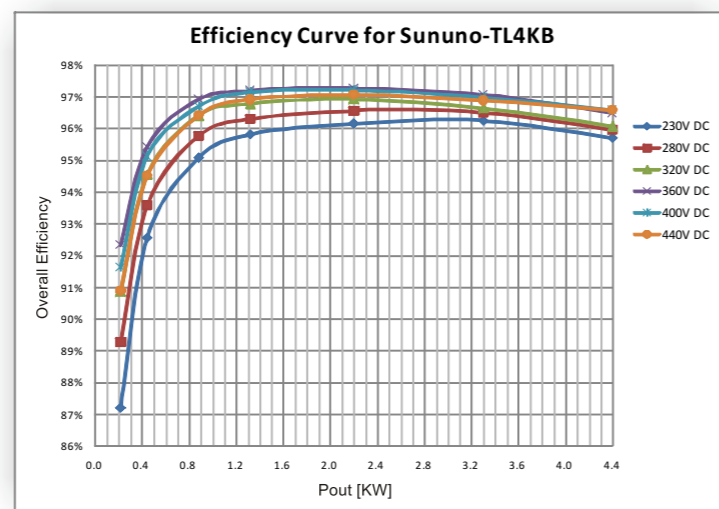
- Multi-country configuration
- RS485 / Ethernet / Wi-Fi communication
- Wide range of DC input voltage
- IP65 for indoor and outdoor use

Reliable

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

Efficient

- Max. efficiency up to 97.7%
- Euro. efficiency up to 97.1%
- MPPT accuracy up to 99.9%



Technical Data

Sununo-TL3KB/4KB

Model	Sununo-TL3KB	Sununo-TL4KB
Input (DC)		
Max. DC Power [W]	3400	4500
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 [A]	17	20
Number of MPPT		1
String(s) per MPPT		2
DC Switch		Optional
Output (AC)		
Rated AC Power [W]	3000	4000
Max. AC Power [W]	3300	4400
Rated AC Current [A]	13.0	17.4/16 ¹
Max. AC Current [A]	15.0	20.0/16 ¹
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	
Efficiency		
Max. Efficiency	97.7%	97.7%
Euro Efficiency (at 360Vdc)	97.1%	97.1%
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]	450*375*177	
Weight [kg]	21	
Standard Warranty [Year]	5 (Standard) 10 / 15 / 20 / 25 (Optional)	
Certificates	VDE0126-1-1 / A1, UTE C15-712-1, TF3.2.1, EN 50438, IEC 62116, IEC 61727, IEC61000-6-2 / 3, IEC 62109-1 / 2	

Remarks: Meet the grid standard that AC current per phase not exceeding 16A.