

# Sununo-TL3KA/4KA

## On-grid Single Phase Inverter

Dual MPPT



### High Yield

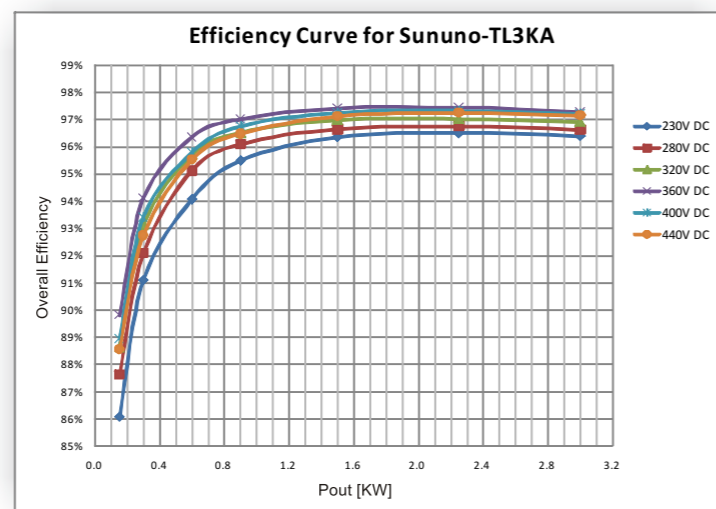
- Dual MPP tracker
- Wide MPPT voltage range
- Leading MPPT algorithm

### 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-TL3KA/4KA

| Model                               | Sununo-TL3KA   | Sununo-TL4KA           |
|-------------------------------------|--|------------------------|
| <b>Input (DC)</b>                   |  |                        |
| 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 PV1 / PV2 [A] | 15 / 15  | 15 / 15                |
| Number of MPPT                      |  | 2                      |
| String(s) per MPPT                  |  | 1                      |
| DC Switch                           |  | Optional               |
| <b>Output (AC)</b>                  |  |                        |
| Rated AC Power [W]                  | 3000   | 4000                   |
| Max. AC Power [W]                   | 3300   | 4400                   |
| Rated AC Current [A]                | 13.0   | 17.4 / 16 <sup>1</sup> |
| Max. AC Current [A]                 | 16.5   | 20.0 / 16 <sup>1</sup> |
| 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                     | 97.6%  | 97.6%                  |
| Euro Efficiency (at 360Vdc)         | 96.8%  | 96.8%                  |
| 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*175  |                        |
| Weight [kg]                         | 23   |                        |
| Standard Warranty [Year]            | 5 (Standard) 10 / 15 / 20 / 25 (Optional)  |                        |
| Certificates                        | AS4777, AS 3100, VDE0126-1-1 / A1, G83-2, G59-2, C10 / 11, 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.