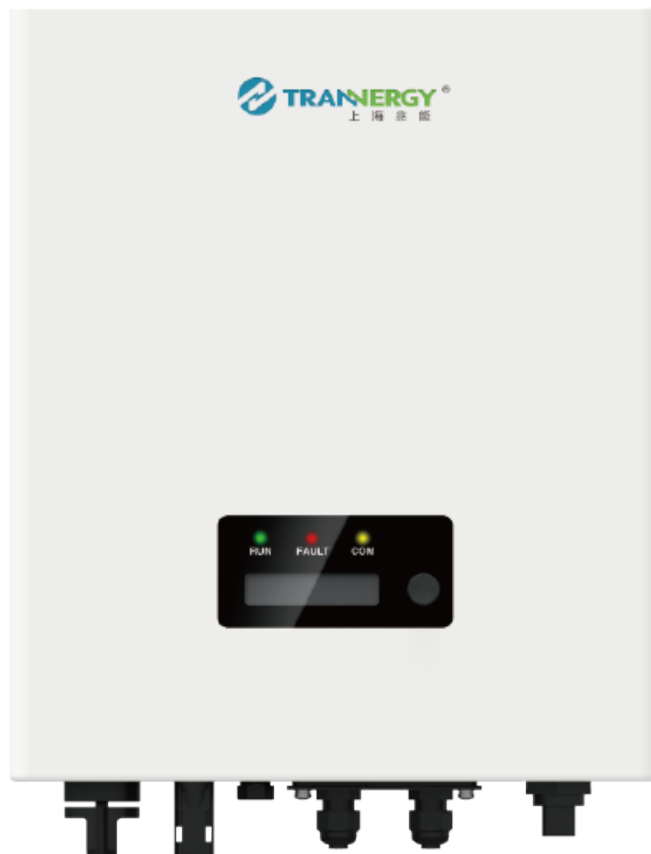


# Inwerter 1-fazowy SGN2300TL

Kod ElektriKo: 97300



**UWAGA:** Zdjęcie poglądowe dla całej rodziny produktów.

## Dane techniczne:

- Moc **2300 W**
- Napięcie [V] **180-270Vac**
- Wymiary [mm] **380 x 320 x 140 mm**
- Częstotliwość **50 Hz / 60 Hz**
- Waga net. **13 kg**
- Liczba faz w sieci **1 - fazowy**

Maksymalna wydajność 98,0%

Wysoka wydajność w szerokim zakresie działania

Szeroki zakres napięcia wejściowego DC i MPPT

Niskie napięcie DC

Ochrona IP65 przed wodą i pyłem

Przełącznik DC

| Model                              | SGN1300TL                                                                                                                              | SGN1800TL    | SGN2300TL    | SGN2700TL    | SGN3000TL    |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|
| Rated AC Power                     | 1000 W                                                                                                                                 | 1500 W       | 2000 W       | 2500 W       | 2800 W       |
| Max. AC Power                      | 1100 VA                                                                                                                                | 1650 VA      | 2200 VA      | 2500 VA      | 3080 VA      |
| DC Input                           |                                                                                                                                        |              |              |              |              |
| Max. Input Power                   | 1300 W                                                                                                                                 | 1800 W       | 2300 W       | 2700 W       | 3200 W       |
| Max. DC Input Voltage              | 500 Vdc                                                                                                                                | 500 Vdc      | 500 Vdc      | 500 Vdc      | 500 Vdc      |
| MPPT Operating Voltage Range       | 50 ~ 450 Vdc                                                                                                                           | 70 ~ 450 Vdc | 70 ~ 450 Vdc | 70 ~ 450 Vdc | 70 ~ 450 Vdc |
| Startup Voltage                    | 50 Vdc                                                                                                                                 | 60 Vdc       | 60 Vdc       | 60 Vdc       | 60 Vdc       |
| Initial Feeding Voltage            | 60 Vdc                                                                                                                                 | 90 Vdc       | 90 Vdc       | 90 Vdc       | 100 Vdc      |
| Max. Input Current                 | 12A                                                                                                                                    | 12A          | 12A          | 12A          | 12A          |
| MPPT Number                        | 1                                                                                                                                      | 1            | 1            | 1            | 1            |
| Max. Number of PV Strings Per MPPT | 1                                                                                                                                      | 1            | 1            | 1            | 1            |
| AC Output                          |                                                                                                                                        |              |              |              |              |
| Nominal AC Voltage                 | 220 Vac / 230 Vac / 240 Vac                                                                                                            |              |              |              |              |
| AC Connection                      | L / N / PE                                                                                                                             |              |              |              |              |
| AC Voltage Range                   | 180 ~ 270 Vac (May vary as per corresponding country' s grid standard)                                                                 |              |              |              |              |
| AC Frequency Range                 | 50/60 Hz, -5 Hz ... +5 Hz                                                                                                              |              |              |              |              |
| Max. Output Current                | 6 A                                                                                                                                    | 8.4 A        | 11.3 A       | 12.8 A       | 15.7 A       |
| Power Factor                       | > 0.99, 0.8 leading to 0.8 lagging controllable                                                                                        |              |              |              |              |
| THDI                               | < 1%                                                                                                                                   |              |              |              |              |
| Efficiency                         |                                                                                                                                        |              |              |              |              |
| Max. Efficiency                    | > 97.1%                                                                                                                                | > 97.3%      | > 97.3%      | > 97.5%      | > 97.5%      |
| European Efficiency                | > 96.5%                                                                                                                                | > 96.7%      | > 96.9%      | > 96.9%      | > 96.9%      |
| MPPT Efficiency                    | > 99.9%                                                                                                                                | > 99.9%      | > 99.9%      | > 99.9%      | > 99.9%      |
| Protection                         |                                                                                                                                        |              |              |              |              |
| Anti-Islanding Protection          | Integrated                                                                                                                             |              |              |              |              |
| DC Reverse Polarity Protection     | Integrated                                                                                                                             |              |              |              |              |
| Insulation Monitoring              | Integrated                                                                                                                             |              |              |              |              |
| AC Over Current Protection         | Integrated                                                                                                                             |              |              |              |              |
| Residual Current Detection         | Integrated                                                                                                                             |              |              |              |              |
| Over Temperature Protection        | Integrated                                                                                                                             |              |              |              |              |
| DC Switch                          | Optional                                                                                                                               |              |              |              |              |
| General Data                       |                                                                                                                                        |              |              |              |              |
| Ambient temperature range          | -25 ° C ~ +60 ° C                                                                                                                      |              |              |              |              |
| Relative Humidity                  | 0 ~ 95%                                                                                                                                |              |              |              |              |
| Operating Altitude                 | < 2000m                                                                                                                                |              |              |              |              |
| Dimensions (W / H / D)             | 380mm x 320mm x 140mm                                                                                                                  |              |              |              |              |
| Weight                             | 12 Kg                                                                                                                                  | 13 Kg        | 13 Kg        | 13 Kg        | 13 Kg        |
| Mounting                           | Wall Bracket                                                                                                                           |              |              |              |              |
| Topology                           | Transformerless                                                                                                                        |              |              |              |              |
| Cooling Method                     | Natural convection                                                                                                                     |              |              |              |              |
| Night Power Consumption            | < 0.2 W                                                                                                                                |              |              |              |              |
| Degree of Protection               | IP65                                                                                                                                   |              |              |              |              |
| Noise Emission                     | < 30 dB                                                                                                                                |              |              |              |              |
| Display                            | LCD 2 x 16 Characters                                                                                                                  |              |              |              |              |
| Communication                      | GPRS / Wi-Fi / RS485 /Ethernet/WIFI/GPRS/USB                                                                                           |              |              |              |              |
| Warranty                           | Standard 5 years 10/15/20/25 years extension optional                                                                                  |              |              |              |              |
| Certifications & Standards         |                                                                                                                                        |              |              |              |              |
| Grid Regulation                    | VDE AR-N-4105, VDE 0126-1-1+A1, AS4777, CEI021, G83/1, G83/2, G59/2, G59/3, RD1663, IEC61727, UTE C15-712, MEA, PEA, ,EN50438,IEC61727 |              |              |              |              |
| Safety                             | IEC62109-1, IEC62109-2, AS/NZS3100                                                                                                     |              |              |              |              |
| EMC                                | IEC61000-6-2, IEC61000-6-3, AS/NZS3100                                                                                                 |              |              |              |              |

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