

## SMA Tripower 15000-TL-10



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SMA Tripower 15000TL-10, trafoloze 15340 Wp 3-fase omvormer in een fraaie behuizing, incl. grafisch display, Sunclix stekkers en ESS.

WaarderingNog niet gewaardeerd

**Prijs**

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Beschrijving

### Efficient

- Maximum rendement van 98.2 %
- Hoge tracking rendement dankzij OptiTrac MPP tracking
- *Bluetooth* communicatie

### Veilig

- 3-voudige protectie met Optiprotect:
- Electronische string zekeringen
- Zelf-lerend string fout detectie
- DC overspanningsbeveiliging (Type II) kan worden geïntegreerd

### Flexibel

- DC voltage tot 1 000 V
- Geïntegreerde net management functies
- Optiflex biedt maximale flexibiliteit m.b.t. PV-ontwerp

### Simpel

- 3-fase

- Kabel verbindingen zonder gereedschap
- SUNCLIX DC stekkers
- Makkelijk toegankelijke connector deel

|                                                                                              |                                                                                                                                        |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                              | Sunny Tripower<br>15000TL                                                                                                              |
| <b>Input (DC)</b>                                                                            |                                                                                                                                        |
| Max. DC power (@ cos φ=1)                                                                    | 15340 W                                                                                                                                |
| Max. input voltage                                                                           | 1000 V                                                                                                                                 |
| MPP voltage range / rated input voltage                                                      | 360 V – 800 V / 600 V                                                                                                                  |
| Min. input voltage / initial input voltage                                                   | 150 V / 188 V                                                                                                                          |
| Max. input current input A / input B                                                         | 33 A / 11 A                                                                                                                            |
| Max. input current per string input A** / input B**                                          | 33 A / 12.5 A                                                                                                                          |
| Number of independent MPP inputs / strings per MPP input                                     | 2 / A:5; B:1                                                                                                                           |
|                                                                                              |                                                                                                                                        |
| <b>Output (AC)</b>                                                                           |                                                                                                                                        |
| Rated power (@ 230 V, 50 Hz)                                                                 | 15000 W                                                                                                                                |
| Max. apparent AC power                                                                       | 15000 VA                                                                                                                               |
| Nominal AC voltage                                                                           | 3 / N / PE; 220 / 380 V 3 / N / PE; 230 / 400 V 3 / N / PE; 240 / 415 V                                                                |
| Nominal AC voltage range                                                                     | 160 V – 280 V                                                                                                                          |
| AC power frequency / range                                                                   | 50 Hz, 60Hz / -6 Hz ... +5 Hz                                                                                                          |
| Rated grid frequency / rated grid voltage                                                    | 50 Hz / 230 V                                                                                                                          |
| Max. output current                                                                          | 24 A                                                                                                                                   |
| Power factor at rated power                                                                  | 1                                                                                                                                      |
| Adjustable displacement factor                                                               | 0.8 overexcited ... 0.8 underexcited                                                                                                   |
| Phase conductors / connection phases                                                         | 3 / 3                                                                                                                                  |
|                                                                                              |                                                                                                                                        |
| <b>Efficiency</b>                                                                            |                                                                                                                                        |
| Max. efficiency / European efficiency                                                        | 98.2 % / 97.8 %                                                                                                                        |
|                                                                                              |                                                                                                                                        |
| <b>Protection</b>                                                                            |                                                                                                                                        |
| Input-side disconnection device                                                              | yes                                                                                                                                    |
| Ground-fault monitoring / grid monitoring                                                    | yes / yes                                                                                                                              |
| DC surge arrester Type II, can be integrated                                                 | opt.                                                                                                                                   |
| DC reverse-polarity protection / AC short-circuit current capability / galvanically isolated | yes / yes / —                                                                                                                          |
| All-pole sensitive residual current monitoring unit                                          | yes                                                                                                                                    |
| Protection class (according to IEC 62103) / overvoltage category (according to IEC 60664-1)  | I / III                                                                                                                                |
|                                                                                              |                                                                                                                                        |
| <b>General Data</b>                                                                          |                                                                                                                                        |
| Dimensions (W / H / D)                                                                       | 665 / 690 / 265 mm<br>(26.2 / 27.2 / 10.4 inch)                                                                                        |
| Weight                                                                                       | 64 kg / 141.1 lb                                                                                                                       |
| Operating temperature range                                                                  | 25 °C ... +60 °C / -13 °F ... +140 °F                                                                                                  |
| Noise emission (typical)                                                                     | 51 dB(A)                                                                                                                               |
| Self-consumption at night                                                                    | 1 W                                                                                                                                    |
| Topology / cooling concept                                                                   | Transformerless / OptiCool                                                                                                             |
| Degree of protection / degree of protection of connection area (according to IEC 60529)      | IP65 / IP54                                                                                                                            |
| Climatic category (according to IEC 60721-3-4)                                               | 4K4H                                                                                                                                   |
| Maximum permissible value for relative humidity (non-condensing)                             | 100 %                                                                                                                                  |
|                                                                                              |                                                                                                                                        |
| <b>Features</b>                                                                              |                                                                                                                                        |
| DC terminal                                                                                  | SUNCLIX                                                                                                                                |
| AC terminal                                                                                  | Spring-type terminal                                                                                                                   |
| Display                                                                                      | Graphic                                                                                                                                |
| Interface: RS485 / Bluetooth                                                                 | opt. / yes                                                                                                                             |
| Warranty: 5 / 10 / 15 / 20 / 25 years                                                        | yes / opt. / opt. / opt. / opt.                                                                                                        |
| Multi-function relay                                                                         | yes                                                                                                                                    |
| Certificates and approvals (more available on request)                                       | CE, VDE0126-1-1, G83/1-1, RD 1663/2000, RD 661/2007, G59/2, PPC, AS4777, EN 50438*, C10/11, PPDS, IEC 61727, ENEL-Guida, UTE C15-712-1 |
|                                                                                              |                                                                                                                                        |
| * Does not apply to all national deviations of EN 50438                                      |                                                                                                                                        |
| ** To be observed in case of a short circuit in the electronic string fuse                   |                                                                                                                                        |
| Data at nominal conditions                                                                   |                                                                                                                                        |
| Type designation                                                                             | STP 15000TL-10                                                                                                                         |

