

| Nomenclature ¹⁾ | Parameter | TLX Pro 6 k ⁶⁾ | TLX Pro 8 k | TLX Pro 10 k | TLX Pro 12.5 k | TLX Pro 15 k |
|----------------------------|------------------------------------------------|---------------------------------------|-------------|--------------|----------------|--------------|
| AC | | | | | | |
| $P_{ac,r}$ | Max./Nom. power AC | 6000 W | 8000 W | 10000 W | 12500 W | 15000 W |
| | Reactive power range | 0-3.6 kVAr | 0-4.8 kVAr | 0-6.0 kVAr | 0-7.5 kVAr | 0-9.0 kVAr |
| $V_{ac,r}$ | Rated output voltage | 3x 230 V | | | | |
| $V_{ac,min}, V_{ac,max}$ | AC voltage range (P-N) | 3x 230 V \pm 20% | | | | |
| | Nominal current AC | 3 x 9 A | 3 x 12 A | 3 x 15 A | 3 x 19 A | 3 x 22 A |
| $I_{ac,max}$ | Max. current AC | 3 x 9 A | 3 x 12 A | 3 x 15 A | 3 x 19 A | 3 x 22 A |
| | AC current distortion (THD%) | < 4% | < 4% | < 5% | < 5% | < 5% |
| $\cos\phi_{i,ac,r}$ | Power factor at 100% load | > 0.99 | | | | |
| | Controlled power factor range | 0.8 over-excited 0.8 under-excited | | | | |
| | "Connecting" power loss | 10 W | | | | |
| | Night-time power loss (off grid) | < 5 W | | | | |
| f_r | Rated grid frequency | 50 Hz | | | | |
| f_{min}, f_{max} | Grid frequency range | 50 \pm 5 Hz | | | | |
| DC | | | | | | |
| | Nominal power DC | 6200 W | 8250 W | 10300 W | 12900 W | 15500 W |
| | Max. recommended PV power at STC ²⁾ | 7100 Wp | 9500 Wp | 11800 Wp | 14700 Wp | 17700 Wp |
| $V_{dc,r}$ | Nominal voltage DC | 700 V | | | | |
| V_{mppmin}, V_{mppmax} | MPP voltage-nominal power ³⁾ | 260 - 800 V | 345-800 V | 430-800 V | 358-800 V | 430-800 V |
| | MPP efficiency | 99.9% | | | | |
| $V_{dc,max}$ | Max. DC voltage | 1000 V | | | | |
| $V_{dc,start}$ | Turn on voltage | 250 V | | | | |
| $V_{dc,min}$ | Turn off voltage | 250 V | | | | |
| $I_{dc,max}$ | Max. current DC | 2 x 12 A | | | 3 x 12 A | |
| | Max. short circuit current DC at STC | 2 x 12 A | | | 3 x 12 A | |
| | Min. on grid power | 20 W | | | | |
| Efficiency | | | | | | |
| | Max. efficiency | 97.8 % | 97.9% | 98% | | |
| | Euro efficiency | 96.5 % | 97.0% | 97.0% | 97.3% | 97.4% |
| Other | | | | | | |
| | Dimensions (H, W, D) | 700 x 525 x 250 mm | | | | |
| | Mounting recommendation | Wall bracket | | | | |
| | Weight | 35 kg | | | | |
| | Acoustic noise level ⁴⁾ | 56 db(A) | | | | |
| | MPP tracker | 2 | | | 3 | |
| | Operation temperature range | -25..60 °C | | | | |
| | Nom. temperature range | -25..45 °C | | | | |
| | Storage temperature | -25..60 °C | | | | |
| | Overload operation | Change of operating point | | | | |
| | Overvoltage category AC | Class III | | | | |
| | Overvoltage category DC | Class II | | | | |
| | PLA ⁵⁾ | Included | | | | |
| | Reactive power | TLX+ and TLX Pro+ | | | | |
| | VDE-AR-N 4105 | TLX+ and TLX Pro+ | | | | |
| | Relative humidity | 95% (non-condensing) | | | | |
| Functional Safety | | | | | | |
| | Safety (protective class) | Class I | | | | |
| | PELV on the communication and control card | Class II | | | | |
| | Islanding detection-loss of mains | Three-phase monitoring, ROCOF | | | | |
| | Voltage magnitude | Included | | | | |
| | Frequency | Included | | | | |
| | DC content of AC current | Included | | | | |
| | Insulation resistance | Included | | | | |
| | RCMU-Type B | Included | | | | |
| | Indirect contact protection | Yes (class I, grounded) | | | | |
| | Short circuit protection | Yes | | | | |

¹⁾ According to FprEN 50524: 2009

²⁾ For fixed systems with semi-optimal conditions

³⁾ At identical input voltages. At unequal input voltages V_{mppmin} can be as low as 250 V depending on total input power.

⁴⁾ SPL (Sound Pressure Level) at 1.5 m.

⁵⁾ Grid Management Box (TLX Pro, TLX Pro+) or 3rd party product

⁶⁾ Only TLX + and TLX Pro + variants

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