

| Datasheet | MOD 10KTL3-X | MOD 11KTL3-X | MOD 12KTL3-X | MOD 13KTL3-X | MOD 15KTL3-X |
|---|-------------------------------------|--|----------------------------------|----------------------------|--------------|
| Input data (DC) | | | | | |
| Max. recommended PV power (for module STC) | 15000W | 16500W | 18000W | 19500W | 22500W |
| Max. DC voltage | | | 1100V | | |
| Start voltage | | | 200V | | |
| Nominal voltage | | | 580V | | |
| MPPT voltage range | | | 140V-1000V | | |
| No. of MPP trackers | | | 2 | | |
| No. of PV strings per MPP tracker | 1 | 1 | 2/1 | 2/1 | 2/1 |
| | | | | | |
| Max. input current per MPP tracker | 13A | 13A | 26/13 | 26/13 | 26/13 |
| Max. short-circuit current oer MPP tracker | 16A | 16A | 32/16 | 32/16 | 32/16 |
| Output data (AC) | | | | | |
| AC nominal power | 10000W | 11000W | 12000W | 13000W | 15000W |
| Max. AC apparent power | 11000VA* | 12100VA | 13200VA | 14300VA | 16500VA |
| Nominal AC voltage (range*) | | 22 | 20V/380V, 230V/400V (340-440 | OV) | |
| AC grid frequency (range*) | | | 50/60 Hz (45-55Hz/55-65 Hz) | | |
| Max. output current | 16.7A | 18.3A | 20A | 21.7A | 25A |
| Adjustable power factor | | | 0.8leading0.8lagging | | |
| 'HDi | | | <3% | | |
| AC grid connection type | | | 3W+N+PE | | |
| Efficiency | | | SWTNTIL | | |
| • | | | 00.40/ | | |
| MAX. efficiency | 00.10/ | 00.10/ | 98.6% | 00.00/ | 00.00/ |
| uropean efficiency MPPT efficiency | 98.1% | 98.1% | 98.2% 99.9% | 98.2% | 98.2% |
| · · · · · · · · · · · · · · · · · · · | | | 77.7/0 | | |
| Protection devices | | | V | | |
| OC reverse polarity protection | | | Yes | | |
| OC Switch | | | Yes | | |
| AC/DC surge protection | | | Type II / Type II | | |
| nsulation resistance monitoring | | | Yes | | |
| AC short-circuit protection | | | Yes | | |
| Ground fault monitoring | | | Yes | | |
| Grid monitoring | | | Yes | | |
| Anti-islanding protection | | | Yes | | |
| Residual-current monitoring unit | | | Yes | | |
| String fault monitoring | | | Yes | | |
| AFCI protection | | | Optional | | |
| Seneral data | | | | | |
| Dimensions (W / H / D) | | | 425/387/178mm | | |
| | 1.4kg | 1.4kg | | 1640 | 1410 |
| Veight Operating temperature range | 14Kg | 14kg | 16kg | 16kg | 16kg |
| | | | - 25°C +60°C | | |
| lighttime power consumption | | | < 1W | | |
| opology | | | Transformerless | | |
| Cooling | | | Natural convection | | |
| rotection degree | | | IP66 | | |
| Pelative humidity | | | 0~100% | | |
| Altitude | | | 4000m | | |
| OC connection | | | H4/MC4(Optional) | | |
| AC connection | | | Connector | | |
| Display | | | OLED+LED/WIFI+APP | | |
| nterfaces: USB/RS485/WIFI GPRS//LAN/RF | | yes/y | es/Optional/Optional/Optional/Op | otional | |
| Warranty: 5 / 10 years | | | Yes/Optional | | |
| Warranty: 5 / 10 years | Greece, EN50549, C10/C11, G98/G9 | UTE C 15-712, IEC62116, IE 99, G100, A\$4777, UNE21 | · | 683, CEI0-21, N4105, TOR E | rzeuger |

^{*} For Belgium C10/C11, MOD 10KTL3-X max. output power is limit to 10000VA.

* The AC voltage range and frequency range may vary depending on specific country grid standard.

All specifications are subject to change without notice.