

MOD 10~15KTL3-X

- Max. efficiency 98.6%
- OLED and Touch button
- Type II SPD on DC and AC side
- String Monitoring
- AFCI optional



P O W E R
- I N G O
T O M O -
R R O W O

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| 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 | 160V | | | | |
| Nominal voltage | 580V | | | | |
| MPPT voltage range | 140V-1000V | | | | |
| No. of MPP trackers | 2 | | | | |
| No. of PV strings per MPP tracker | 1 | 1 | 1/2 | 1/2 | 1/2 |
| Max. input current per MPP tracker | 13A | 13A | 13/26A | 13/26A | 13/26A |
| Max. short-circuit current per MPP tracker | 16A | 16A | 16/32A | 16/32A | 16/32A |
| Output data (AC) | | | | | |
| AC nominal power | 10000W | 11000W | 12000W | 13000W | 15000W |
| Max. AC apparent power | 11000VA* | 12100VA | 13200VA | 14300VA | 16500VA |
| Nominal AC voltage (range*) | 220V/380V, 230V/400V (340-440V) | | | | |
| 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 | 0.8leading...0.8lagging | | | | |
| THDI | < 3% | | | | |
| AC grid connection type | 3W+N+PE | | | | |
| Efficiency | | | | | |
| MAX. efficiency | 98.6% | | | | |
| European efficiency | 98.1% | 98.1% | 98.2% | 98.2% | 98.2% |
| MPPT efficiency | 99.9% | | | | |
| Protection devices | | | | | |
| DC reverse polarity protection | Yes | | | | |
| DC Switch | Yes | | | | |
| AC/DC surge protection | Type II / Type II | | | | |
| Insulation 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 | | | | |
| General data | | | | | |
| Dimensions (W / H / D) | 425/387/178mm | | | | |
| Weight | 14kg | 14kg | 16kg | 16kg | 16kg |
| Operating temperature range | - 25°C ... +60°C | | | | |
| Nighttime power consumption | < 1W | | | | |
| Topology | Transformerless | | | | |
| Cooling | Natural convection | | | | |
| Protection degree | IP66 | | | | |
| Relative humidity | 0~100% | | | | |
| Altitude | 4000m | | | | |
| DC connection | H4/MC4(Optional) | | | | |
| AC connection | Connector | | | | |
| Display | OLED+LED/WIFI+APP | | | | |
| Interfaces: USB/RS485/WIFI /GPRS/LAN/RF | yes/yes/Optional/Optional/Optional/Optional | | | | |
| Warranty: 5 / 10 years | Yes/Optional | | | | |
| CE, VDE0126, Greece, EN50549, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, N4105, TOR Erzeuger G98/G99, G100, AS4777, UNE217001, UNE206007, PO12.2 | | | | | |

* 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.