

MOD 3~10KTL3-XH

- Battery ready, future proof
- Dual MPP Trackers
- Type II SPD on DC and AC side
- AFCI function optional
- 24h self-consumption monitoring



GROWATT

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

www.ginverter.com

Primary

| Datasheet | MOD 3000TL3-XH | MOD 4000TL3-XH | MOD 5000TL3-XH | MOD 6000TL3-XH | MOD 7000TL3-XH | MOD 8000TL3-XH | MOD 9000TL3-XH | MOD 10KTL3-XH |
|---|---|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| Input data (DC) | | | | | | | | |
| Max. recommended PV power (for module STC) | 6000W | 8000W | 10000W | 12000W | 14000W | 16000W | 18000W | 20000W |
| Max. DC voltage | 1100V | | | | | | | |
| Start voltage | 160V | | | | | | | |
| Nominal voltage | 600V | | | | | | | |
| MPPT voltage range | 140V-1000V | | | | | | | |
| No. of MPP trackers | 2 | | | | | | | |
| No. of PV strings per MPP tracker | 1 | | | | | | | |
| Max. input current per MPP tracker | 16A | | | | | | | |
| Max. short-circuit current per MPP tracker | 20A | | | | | | | |
| Input data (DC battery) | | | | | | | | |
| Compatible battery | ARK XH Battery System(7.68kWh-25.6kWh) | | | | | | | |
| Operating voltage range | 600 V-950 V | | | | | | | |
| Max.operating current | 11A | | | | 18.5A | | | |
| Max.charge power | 6000W | | | | 10000W | | | |
| Max.discharge power | 3300W | 4400W | 5500W | 6600W | 7700W | 8800W | 9900W | 11000W |
| Output data (AC) | | | | | | | | |
| AC nominal power | 3000W | 4000W | 5000W | 6000W | 7000W | 8000W | 9000W | 10000W |
| Max. AC apparent power | 3300VA | 4400VA | 5500VA | 6600VA | 7700VA | 8800VA | 9900VA | 11000VA |
| 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 | 5.0A | 6.7A | 8.3A | 10.0A | 11.7A | 13.3A | 15.0A | 16.7A |
| Adjustable power factor | 0.8leading...0.8lagging | | | | | | | |
| THDi | <3% | | | | | | | |
| AC grid connection type | 3W+N+PE | | | | | | | |
| Efficiency | | | | | | | | |
| MAX. efficiency | 98.3% | 98.3% | 98.3% | 98.3% | 98.6% | 98.6% | 98.6% | 98.6% |
| European efficiency | 97.5% | 97.5% | 97.5% | 97.5% | 98.1% | 98.1% | 98.1% | 98.1% |
| 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) | 425/387/147mm | 425/387/147mm | 425/387/147mm | 425/387/147mm | 425/387/178mm | 425/387/178mm | 425/387/178mm | 425/387/178mm |
| Weight | 12.5kg | 12.5kg | 12.5kg | 12.5kg | 14kg | 14kg | 14kg | 14kg |
| Operating temperature range | - 25°C ... +60°C | | | | | | | |
| Nighttime power consumption | < 5.5W | | | | | | | |
| 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 years /10 years | Yes/Optional | | | | | | | |
| CE, VDE0126, Greece, EN50549, C10/C11, VFR 2019, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, N4105, TOR Erzeuger G98/G99, G100, AS4777, UNE217001, UNE206007, PO12.2 | | | | | | | | |

* The AC voltage range and frequency range may vary depending on specific country grid standard.
All specifications are subject to change without notice.