

MAX 60~100KTL3 MV

- 6/7 MPPTs
- Smart diagnosis
- High efficiency up to 99%
- Local WIFI connection
- String monitoring
- AC&DC type II SPD
- AFCI protection optional
- Data storage up to 25 years
- DC side 2 in 1 connection enabled



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

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| Datasheet | MAX 60KTL3 MV | MAX 70KTL3 MV | MAX 80KTL3 MV | MAX 90KTL3 MV | MAX 100KTL3 MV |
|--|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Input data (DC) | | | | | |
| Max. recommended PV power(for module STC) | 90000W | 105000W | 120000W | 130000W | 130000W |
| Max.DC voltage | 1100V | | | | |
| Start voltage | 250V | | | | |
| Nominal voltage | 700V | 700V | 700V | 730V | 730V |
| Nominal voltage | 200V-1000V | | | | |
| No. of MPP trackers | 6 | 7 | 7 | 7 | 7 |
| No. of PV strings per MPP tracker | 2 | | | | |
| Max. input current per MPP tracker | 26A | | | | |
| Max. short-circuit current per MPP tracker | 32A | | | | |
| Output data (AC) | | | | | |
| AC nominal power | 60000W | 70000W | 80000W | 90000W | 100000W |
| Max. AC apparent power | 66600VA | 77700VA | 88800VA | 100000VA | 111000VA |
| Nominal AC voltage (range*) | 277V/480V 425-540VAC | 277V/480V 425-540VAC | 277V/480V 425-540VAC | 288V/500V 425-540VAC | 288V/500V 425-540VAC |
| AC grid frequency (range*) | 50/60 Hz (45-55Hz/55-65 Hz) | | | | |
| Max. output current | 80.2A | 93.6A | 107.0A | 115.7A | 128.6A |
| Adjustable power factor | 0.8leading ...0.8lagging | | | | |
| THDI | <3% | | | | |
| AC grid connection type | 3W+PE | | | | |
| Efficiency | | | | | |
| Max. efficiency | 99.0% | | | | |
| European efficiency | 98.5% | 98.5% | 98.6% | 98.6% | 98.6% |
| 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 monitoring | Yes | | | | |
| AFCI protection | Optional | | | | |
| Anti-PID function | Optional | | | | |
| General data | | | | | |
| Dimensions (W / H / D) | 860/600/300mm | | | | |
| Weight | 82kg | 86kg | 86kg | 86kg | 86kg |
| Operating temperature range | -25°C ... +60°C | | | | |
| Noise emission (typical) | ≤60dB(A) | | | | |
| Nighttime power consumption | < 1W | | | | |
| Topology | Transformerless | | | | |
| Cooling | Smart air cooling | | | | |
| Protection degree | IP65 | | | | |
| Relative humidity | 0-100% | | | | |
| Altitude | 4000m | | | | |
| DC connection | H4/MC4(Optional) | | | | |
| AC connection | Cable gland+OT terminal | | | | |
| Display | LED/WIFI+APP | | | | |
| Interfaces: RS485 / USB /WIFI/ RF/GPRS | Yes/Yes /Optional/Optional/Optional | | | | |
| Warranty: 5 years / 10 years | Yes /Optional | | | | |
| CE VDE0126, Greece, EN50438, UTE C 15-712, IEC62116,IEC61727, IEC 60068, IEC 61683, N4105, G98/G99, G100 | | | | | |

* For current models and certificates , please see www.ginverter.com.

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