

MIC 750~3300TL-X



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



| Datasheet | MIC 750TL-X | MIC 1000TL-X | MIC 1500TL-X | MIC 2000TL-X | MIC 2500TL-X | MIC 3000TL-X | MIC 3300TL-X |
|---|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Input data (DC) | | | | | | | |
| Max. recommended PV power (for module STC) | 1050W | 1400W | 2100W | 2800W | 3500W | 4200W | 4290W |
| Max. DC voltage | 500V | 500V | 500V | 500V | 550V | 550V | 550V |
| Start voltage | 50V | 50V | 50V | 50V | 80V | 80V | 80V |
| Nominal voltage | 120V | 180V | 250V | 360V | 360V | 360V | 360V |
| MPP voltage range | 50V-500V | 50V-500V | 50V-500V | 50V-500V | 65V-550V | 65V-550V | 65V-550V |
| No. of MPP trackers | 1 | | | | | | |
| No. of PV strings per MPP tracker | 1 | | | | | | |
| Max. input current per MPP tracker | 13A | | | | | | |
| Max. short-circuit current per MPP tracker | 16A | | | | | | |
| Output data (AC) | | | | | | | |
| AC nominal power | 750W | 1000W | 1500W | 2000W | 2500W | 3000W | 3300W |
| Max. AC apparent power | 750VA | 1000VA | 1500VA | 2000VA | 2500VA | 3000VA | 3300VA |
| Nominal AC voltage (range*) | 230V (180-280V) | | | | | | |
| AC grid frequency (range*) | 50/60 Hz (45-55Hz/55-65 Hz) | | | | | | |
| Max. output current | 3.6A | 4.8A | 7.1A | 9.5A | 11.9A | 14.3A | 14.3A |
| Adjustable power factor | 0.8leading...0.8lagging | | | | | | |
| THDI | <3% | | | | | | |
| AC grid connection type | Single phase | | | | | | |
| Efficiency | | | | | | | |
| Max. efficiency | 97.4% | 97.4% | 97.4% | 97.4% | 97.6% | 97.6% | 97.6% |
| European efficiency | 96.5% | 96.5% | 97.0% | 97.0% | 97.0% | 97.1% | 97.1% |
| MPPT efficiency | 99.9% | | | | | | |
| Protection devices | | | | | | | |
| DC reverse polarity protection | yes | | | | | | |
| DC switch | yes | | | | | | |
| AC/DC surge protection | Type III / Type III | | | | | | |
| 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 | | | | | | |
| AFCI protection | Optional | | | | | | |
| General data | | | | | | | |
| Dimensions (W / H / D) | 274/254/138mm | | | | | | |
| Weight | 6kg | 6kg | 6kg | 6kg | 6.2kg | 6.2kg | 6.2kg |
| Operating temperature range | - 25°C ... +60°C | | | | | | |
| Noise emission (typical) | ≤25 dB(A) | | | | | | |
| Nighttime power consumption | < 0.5W | | | | | | |
| Topology | Transformerless | | | | | | |
| Cooling | Natural convection | | | | | | |
| Protection degree | IP65 | | | | | | |
| Relative humidity | 0-100% | | | | | | |
| Altitude | 4000m | | | | | | |
| DC connection | H4/MC4(Optional) | | | | | | |
| AC connection | Connector | | | | | | |
| Display | OLED+LED/WIFI+APP | | | | | | |
| Interfaces: RS485 / USB/WI-FI/ GPRS/ RF/LAN | Yes/Yes/Optional/Optional/Optional /Optional | | | | | | |
| Warranty: 5 years / 10 years | Yes /Optional | | | | | | |

CE,AS4777, AS/NZS 3100, CEI 0-21, VDE-AR-N 4105, VDE 0126-1-1, UTE C 15-712-1, EN50549, IEC 60068, IEC 61683, IEC 62116, IEC 61727, INMETRO, G98, C10/C11, UNE217001, UNE206007, PO12.2

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

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