

# MIC 750~3300TL-X

- Maximum efficiency of 97.6%
- Compact design
- Touch key& OLED display
- Flexible interface
- AFCI optional



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



| Datasheet                                   | MIC 750TL-X                                  | MIC 1000TL-X | MIC 1500TL-X | MIC 2000TL-X | MIC 2500TL-X | MIC 3000TL-X | MIC 3300TL-X |
|---|--|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Input data (DC)</b>                      |  |              |              |              |              |              |              |
| 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  |              |              |              |              |              |              |
| <b>Output data (AC)</b>                     |  |              |              |              |              |              |              |
| 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                                 |              |              |              |              |              |              |
| <b>Efficiency</b>                           |  |              |              |              |              |              |              |
| 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%  |              |              |              |              |              |              |
| <b>Protection devices</b>                   |  |              |              |              |              |              |              |
| 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                                     |              |              |              |              |              |              |
| <b>General data</b>                         |  |              |              |              |              |              |              |
| 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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