

# MIC 600-3300TL-X2

- Maximum efficiency of 97.6%
- Compact design
- Touch key& OLED display
- Flexible monitoring options
- String current up to 16A
- AFCI optional



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P O W E R  
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T O M O R R O W

| Datasheet                                                                                                                                                        | MIC 600TL-X2              | MIC 750TL-X2 | MIC 800TL-X2 | MIC 1000TL-X2 | MIC 1500TL-X2 | MIC 2000TL-X2 | MIC 2500TL-X2 | MIC 3000TL-X2 | MIC 3300TL-X2 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Input data (DC)                                                                                                                                                  |                           |              |              |               |               |               |               |               |               |
| Max. recommended PV power (for module STC)                                                                                                                       | 900W                      | 1120W        | 1200W        | 1500W         | 2250W         | 3000W         | 3750W         | 4500W         | 4950W         |
| Max. DC voltage                                                                                                                                                  | 500V                      | 500V         | 500V         | 500V          | 500V          | 500V          | 550V          | 550V          | 550V          |
| Start voltage                                                                                                                                                    | 50V                       | 50V          | 50V          | 50V           | 50V           | 50V           | 50V           | 50V           | 50V           |
| Nominal voltage                                                                                                                                                  | 120V                      | 120V         | 120V         | 180V          | 250V          | 360V          | 360V          | 360V          | 360V          |
| MPP voltage range                                                                                                                                                | 50V-500V                  | 50V-500V     | 50V-500V     | 50V-500V      | 50V-500V      | 50V-500V      | 50V-550V      | 50V-550V      | 50V-550V      |
| No. of MPP trackers                                                                                                                                              | 1                         |              |              |               |               |               |               |               |               |
| No. of PV strings per MPP tracker                                                                                                                                | 1                         |              |              |               |               |               |               |               |               |
| Max. input current per MPP tracker                                                                                                                               | 16A                       |              |              |               |               |               |               |               |               |
| Max. short-circuit current per MPP tracker                                                                                                                       | 24A                       |              |              |               |               |               |               |               |               |
| Output data (AC)                                                                                                                                                 |                           |              |              |               |               |               |               |               |               |
| AC nominal power                                                                                                                                                 | 600W                      | 750W         | 800W         | 1000W         | 1500W         | 2000W         | 2500W         | 3000W         | 3300W         |
| Max. AC apparent power                                                                                                                                           | 600VA                     | 750VA        | 800VA        | 1000VA        | 1500VA        | 2000VA        | 2500VA        | 3000VA        | 3300VA        |
| Nominal AC voltage(range*)                                                                                                                                       | 230V(180-280V)            |              |              |               |               |               |               |               |               |
| AC grid frequency(range*)                                                                                                                                        | 50/60Hz (45-55Hz/55-65Hz) |              |              |               |               |               |               |               |               |
| Max. output current                                                                                                                                              | 2.9A                      | 3.6A         | 3.8A         | 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                                                                                                                                                   | 96.5%                     | 97.4%        | 97.4%        | 97.4%         | 97.4%         | 97.4%         | 97.6%         | 97.6%         | 97.6%         |
| European efficiency                                                                                                                                              | 95.5%                     | 96.5%        | 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           | 6kg           | 6.2kg         | 6.2kg         | 6.2kg         | 6.2kg         |
| Operating temperature range                                                                                                                                      | -30°C ... +60°C           |              |              |               |               |               |               |               |               |
| Nighttime power consumption                                                                                                                                      | < 0.5W                    |              |              |               |               |               |               |               |               |
| Topology                                                                                                                                                         | Transformerless           |              |              |               |               |               |               |               |               |
| Cooling                                                                                                                                                          | Natural convection        |              |              |               |               |               |               |               |               |
| Protection degree                                                                                                                                                | IP66                      |              |              |               |               |               |               |               |               |
| Relative humidity                                                                                                                                                | 100%                      |              |              |               |               |               |               |               |               |
| Altitude                                                                                                                                                         | 4000m                     |              |              |               |               |               |               |               |               |
| DC connection                                                                                                                                                    | H4/MC4(Optional)          |              |              |               |               |               |               |               |               |
| AC connection                                                                                                                                                    | Connector                 |              |              |               |               |               |               |               |               |
| Display                                                                                                                                                          | OLED+LED/WIFI+APP         |              |              |               |               |               |               |               |               |
| Monitor                                                                                                                                                          | ShineWilan-X2             |              |              |               |               |               |               |               |               |
| Warranty: 10 years                                                                                                                                               | Yes                       |              |              |               |               |               |               |               |               |
| CE, UKCA, CEI 0-21, VDE-AR-N 4105, VDE 0126-1-1, VFR 2019, EN50549-1, IEC 60068, IEC 61683, IEC 62116, IEC 61727, INMETRO, G98, C10/C11,EN50549-10, G99, BIS, KS |                           |              |              |               |               |               |               |               |               |

\* The MIC 600TL-X2 is only available for sale in Germany and the Netherlands.

\* The AC voltage range may vary depending on specific country grid standard.

\* All specifications are subject to change without notice.