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



POWER-ING TOMO-RROW

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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*)	50/60 Hz (45-55Hz/55-65 Hz)								
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								
Interfaces: RS485/USB/WiFi/ GPRS/RF/LAN	Yes/Yes/Optional/Optional/Optional/Optional								
Warranty: 5 years / 10 years	Yes/Optional								
Communication	SUNSPEC protocol								

CE, UKCA, AS4777, AS/NZS 3100, 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, UNE217001, UNE206007, PO12.2

* The AC Voltage Range may vary depending on specific country grid standard.
* All specifications are subject to change without notice.

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