

MIC 1500~3000 TL-X



- Maximum efficiency of 97.6%
- Compact design
- Touch key& OLED display
- Flexible interface
- Online service

GROWATT · PRODUCT

Datasheet	MIC 1500TL-X	MIC 2000TL-X	MIC 2500TL-X	MIC 3000TL-X
Input Data (DC)				
Max. recommended PV power (for module STC)	2100W	2800W	3500W	4200W
Max. DC voltage	500V	500V	550V	550V
Start voltage	50V	50V	80V	80V
Nominal voltage	250V	360V	360V	360V
MPP voltage range	50V-500V	50V-500V	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	1500W	2000W	2500W	3000W
Max. AC apparent power	1500VA	2000VA	2500VA	3000VA
Nominal AC voltage (range*)	Default:240V split-phase, optional:208V & 240V single phase , 183-228@208V 211-264V@240V			
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)			
Max. output current	7.1A	9.5A	11.9A	14.3A
Adjustable power factor	0.8leading...0.8lagging			
THDI	< 3%			
AC grid connection type	Single phase			
Efficiency				
Max. efficiency	97.4%	97.4%	97.6%	97.6%
European efficiency	97.0%	97.0%	97.0%	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	yes			
General Data				
Dimensions (W / H / D)	274/254/138mm			
Weight	6kg	6kg	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, EN 50549, IEC 60068, IEC 61683, IEC 62116, IEC 61727, INMETRO, G98, EN61000-6-2, EN61000-6-3, EN61000-3-2, EN61000-3-3, IEC/EN62109-1, IEC/EN62109-2, UL1741, IEC62109-1, IEC62109-2