

# MIC 600~800TL-X

- Maximum efficiency of 97.4%
- Compact design
- Touch key& OLED display
- Flexible monitoring options



**GROWATT**

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R R O W O

Datasheet	MIC 600TL-X	MIC 750TL-X	MIC 800TL-X
<b>Input data (DC)</b>			
Max. recommended PV power (for module STC)	1050W	1050W	1120W
Max. DC voltage		500V	
Start voltage		50V	
Nominal voltage		120V	
MPP voltage range		50V-500V	
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	600W	750W	800W
Max. AC apparent power	600VA	750VA	800VA
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
Adjustable power factor		0,8leading...0,8lagging	
THDi		<3%	
AC grid connection type		Single phase	
<b>Efficiency</b>			
Max. efficiency	96,5%	97,4%	97,4%
European efficiency	95,5%	96,5%	96,5%
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		Yes	
<b>General data</b>			
Dimensions (W / H / D)		274/254/138mm	
Weight		6kg	
Operating temperature range		-25°C ... +60°C	
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:10 years		Yes	
VDE-AR-N 4105, EN50549			

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