

# Growatt 8000~10000 MTLP-US

- Maximum efficiency of 97.8%
- Compact design
- 3 MPP tracker
- Integrated DC switch
- UL1741 SA, CA Rule21 compliant



P O W E R  
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Datasheet	8000MTLP-US	9000MTLP-US	10000MTLP-US
<b>Input Data</b>			
Max. input power per MPP tracker	3250/3250/6500W	3250/3250/6500W	3250/3250/6500W
Max. DC voltage	600V	600V	600V
Start voltage	140V	140V	140V
DC rated voltage	360V	360V	360V
PV voltage range	100-600V	100-600V	100-600V
MPP voltage range	110-480V	110-480V	110-480V
Full load DC voltage range per MPP tracker	315-480V	315-480V	315-480V
Number of MPP trackers	3	3	3
strings per MPP tracker	1/1/2	1/1/2	1/1/2
Max. operating current per MPP tracker	9.5/9.5/19A	9.5/9.5/19A	9.5/9.5/19A
<b>Grid Output data</b>			
Nominal AC output power	8000W	9000W	10000W
Max. output current	33.5A	37.5A	42A
AC nominal voltage/range	Default:240V split-phase, optional:208V & 240V & 277V single phase , 183-228@208V 211-264V@240V 244-305@277V		
AC grid frequency; range	60 Hz / 59.3~60.5 Hz	60 Hz / 59.3~60.5 Hz	60 Hz / 59.3~60.5 Hz
Power factor	1	1	1
THDI	<3%	<3%	<3%
AC connection	single phase	single phase	single phase
<b>Efficiency</b>			
Max. efficiency	98.1%	98.1%	98.1%
CEC-Weighted Efficiency	97.5%	97.5%	97.5%
MPPT efficiency	99.5%	99.5%	99.5%
<b>Protection Devices</b>			
DC reverse-polarity protection	yes	yes	yes
Input over voltage protection-Varistor	opt	opt	opt
Arc detection(AFCI)	yes	yes	yes
DC insulation measure	yes	yes	yes
AC short circuit protection	yes	yes	yes
Output over voltage protection-Varistor	yes	yes	yes
<b>General Data</b>			
Dimensions (W / H / D)	14/27.3/8.3inch (355/694/210 mm)	14/27.3/8.3inch (355/694/210 mm)	14/27.3/8.3inch (355/694/210 mm)
Weight	30kg/66lb	30kg/66lb	30kg/66lb
Operating temperature range	-25..+60°C/(-13...+ 140°F)	-25..+60°C/(-13...+ 140°F)	-25..+60°C/(-13...+ 140°F)
Noise emission	< 25dB	< 25dB	< 25dB
Relative Humidity	0~100%	0~100%	0~100%
Altitude	2000m without derating	2000m without derating	2000m without derating
Operating consumption	<5W	<5W	<5W
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	natural cooling	natural cooling	natural cooling
Enclosure	NEMA 4X	NEMA 4X	NEMA 4X
<b>Features</b>			
Display	LCD	LCD	LCD
Interfaces: RS485/ShineLink RF/Wifi/Ethernet/Zigbee/Cellular	yes/opt/opt/opt/opt/opt	yes/opt/opt/opt/opt/opt	yes/opt/opt/opt/opt/opt
Warranty: 5 years/10 years/15 years	yes/yes/opt	yes/yes/opt	yes/yes/opt
UL1741, UL1741 SA, CA Rule21, UL1998, IEEE1547, FCC part 15(class B), CSA C22.2 No.107.1, UL1699B(type 1)			