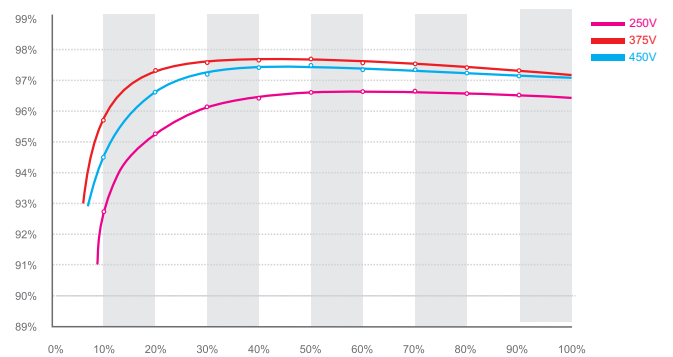




## Leading - edge Technology

- ▶ Maximum efficiency of 98% and wide input voltage range
- ▶ Internal DC switch
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ Multi MPP tracker
- ▶ MTL - String
- ▶ Bluetooth / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Easy installation

5k efficiency



## GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

A: 8943 Reseda Blvd, Northridge, Los Angeles, California, USA

M: +1 626 628 6375 E: usa@ginverter.com W: www.growatt-america.com

# Datasheet

	Growatt 3600MTL-US	Growatt 4200MTL-US	Growatt 5000MTL-US
<b>Input Data</b>			
Max. DC power	3800W	4400W	5200W
Max. DC voltage	600V	600V	600V
Start voltage	150V	150V	150V
DC nominal voltage	360V	360V	360V
PV voltage range	100V - 600V	100V - 600V	100V - 600V
MPP voltage range	120V - 550V	120V - 550V	120V - 550V
Number of independent MPP trackers/strings per MPP tracker	2 / 2	2 / 2	2 / 2
Max. input current of the MPP tracker	12A	15A	15A
<b>Output (AC)</b>			
Rated AC output power	3600W	4200W	4600W
Max. output current	18A / 17.1A / 14.8A	21A / 20A / 17.2A	22A / 23.7A / 20.5A
AC nominal voltage; range	Default:240V split phase optional:208,240or277 single phase 183-228@208V 211-264V@240V 244-305@277V		
AC grid frequency; range	60Hz; 59.3-60.5Hz	60Hz; 59.3-60.5Hz	60Hz; 59.3-60.5Hz
Phase shift (cos φ)	1	1	1
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
<b>Efficiency</b>			
Max. efficiency	98%	98%	98%
CEC efficiency	97%	97%	97%
MPPT efficiency	99.5%	99.5%	99.5%
<b>Protection Devices</b>			
DC reverse polarity protection	yes	yes	yes
DC switch rating for each MPPT	yes	yes	yes
Output over current protection	yes	yes	yes
Output overvoltage protection-varistor	yes	yes	yes
Ground fault monitoring	yes	yes	yes
Grid monitoring	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes
<b>General Data</b>			
Dimensions (W / H / D) in mm	360/650/188	360/650/188	360/650/188
Weight	28.3KG	28.3KG	28.3KG
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Noise emission (typical)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)
Consumption: operating (standby)/ night	< 5W / < 0.5 W	< 5W / < 0.5 W	< 5W / < 0.5 W
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	Natural	Natural	Natural
Enclosure	Type 3R	Type 3R	Type 3R
Altitude	2000m without derating	2000m without derating	2000m without derating
Humidity	0~95%	0~95%	0~95%
<b>Features</b>			
DC connection	Screw terminal	Screw terminal	Screw terminal
AC connection	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD
Interfaces: RS232/RS485/Bluetooth/Rf/Wi-Fi	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt
Warranty: 10 years / 15 years	yes / opt	yes / opt	yes / opt
<b>Certificates and Approvals</b>			
UL1741,UL1998 IEEE 1547, CSA C22.2 No.107.1-1,FCC Part15(Class A&B)			