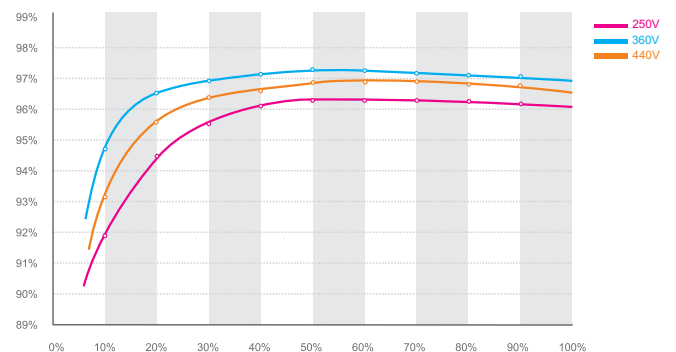




## Leading - edge Technology

- ▶ Maximum efficiency of 97.5% and wide input voltage range
- ▶ Internal DC switch
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ MTL - String
- ▶ Ethernet / RF technology / WiFi
- ▶ Sound control
- ▶ Easy installation

Growatt 3000MTL efficiency



## GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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Datasheet	Growatt 2500 MTL	Growatt 3000 MTL
<b>Input Data</b>		
Max. recommended PV power (for module STC)	2900W	3500W
Max. DC voltage	500V	500V
Start voltage	120V	120V
PV voltage range	90V - 500V	90V - 500V
MPPT work voltage range/nominal voltage	95V-500V/360V	95V-500V/360V
Full load dc voltage range	160V - 450V	175V - 450V
Number of independent MPP inputs /strings per MPP input	2 / 1	2 / 1
Max. input current of tracker A /tracker B	10A / 10A	10A / 10A
Max. input current per string of tracker A/tracker B	10A / 10A	10A / 10A
<b>Output (AC)</b>		
Rated AC output power	2500W	3000W
Max. AC apparent power	2500VA	3000VA
Max. output current	12.5A	15A
AC nominal voltage; range	220V/230V/240V; 180V - 280V	220V/230V/240V; 180V - 280V
AC grid frequency; range	50,60Hz;±5 Hz	50,60Hz;±5 Hz
Phase factor at rate power	1	1
THDI	<3%	<3%
AC connection	Single phase	Single phase
<b>Efficiency</b>		
Max. efficiency	97.5%	97.5%
Euro-eta	97%	97%
MPPT efficiency	99.5%	99.5%
<b>Protection Devices</b>		
DC reverse polarity protection	yes	yes
DC switch for each MPPT	yes	yes
Output over current protection	yes	yes
Output overvoltage protection -varistor	yes	yes
Ground fault monitoring	yes	yes
Grid monitoring	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes
<b>General Data</b>		
Dimensions (W / H / D)	360/421/152 mm	360/421/152 mm
Weight	15.6kg	15.6kg
Operating temperature range	-30 °C ... +60 °C	-30 °C ... +60 °C
Noise emission (typical)	≤25 dB(A)	≤ 25 dB(A)
Self-Consumption (night)	< 0.5 W	< 0.5 W
Topology	Transformerless	Transformerless
Cooling concept	Natural	Natural
Environmental Protection Rating	IP 65	IP 65
Altitude	2000m without derating	2000m without derating
Relative Humidity	0~100%	0~100%
<b>Features</b>		
DC connection	H4/MC4(opt)	H4/MC4(opt)
AC connection	Screw terminal	Screw terminal
Display	LCD	LCD
Interfaces: RS232/RS485/ Ethernet/RF/WiFi	yes / opt / opt / opt / opt	yes / opt / opt / opt / opt
Warranty: 5 years / 10 years	yes / opt	yes / opt
<b>Certificates and Approvals</b>		