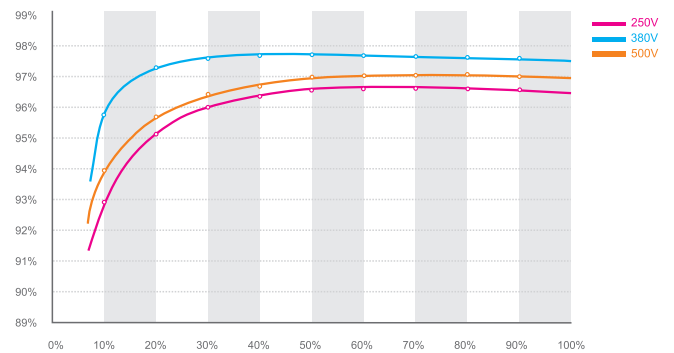




Leading - edge Technology

- ▶ Maximum efficiency of 97.9% and wide input voltage range
- ▶ Internal DC switch
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ Multi MPP controller
- ▶ MTL - String
- ▶ Ethernet / RF technology / WiFi
- ▶ Sound control
- ▶ Easy installation

Growatt 5000MTL efficiency



GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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Datasheet	Growatt 3600MTL	Growatt 4200MTL	Growatt 5000MTLS	Growatt 5000MTL
Input Data				
Max. DC power	4100W	4800W	5300W	5800W
Max. DC voltage	600V	600V	600V	600V
Start voltage	120V	120V	120V	120V
PV voltage range	90V-600V	90V-600V	90V-600V	90V-600V
MPPT work voltage range / nominal voltage	95V-600V/360V	95V-600V/360V	95V-600V/360V	95V-600V/360V
Full load dc voltage range	190V-580V	175V-580V	175V-580V	175V-580V
Number of MPP trackers /strings per MPP tracker	2 / 2	2 / 2	2 / 2	2 / 2
Max. input current of tracker A /tracker B	10A / 10A	15A / 15A	15A / 15A	15A / 15A
Max. input current per string of tracker A/tracker B	10A / 10A	15A / 15A	15A / 15A	15A / 15A
Output (AC)				
Rated AC output power	3600W	4200W	4600W	5000W
Max. AC power	3600W	4200W	4600W	5000W
Max. output current	18A	21A	23A	25A
AC nominal voltage; range	220V/230V/240V; 180Vac - 280Vac	220V/230V/240V; 180Vac - 280Vac	220V/230V/240V; 180Vac - 280Vac	220V/230V/240V; 180Vac - 280Vac
AC grid frequency; range	50, 60Hz ; ±5Hz	50, 60Hz ; ±5Hz	50, 60Hz ; ±5Hz	50, 60Hz ; ±5Hz
Power factor	1	1	1	1
THDI	<3%	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase	Single phase
Efficiency				
Max. efficiency	97.6%	97.9%	97.9%	97.9%
Euro-eta	97%	97.4%	97.4%	97.4%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%
Protection Devices				
DC reverse polarity protection	yes	yes	yes	yes
DC switch for each MPPT	yes	yes	yes	yes
Output over current protection	yes	yes	yes	yes
Output overvoltage protection -varistor	yes	yes	yes	yes
Ground fault monitoring	yes	yes	yes	yes
Grid monitoring	yes	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes	yes
General Data				
Dimensions (W / H / D)	360/510/188 mm	360/510/188 mm	360/510/188 mm	360/510/188 mm
Weight	24kg	24kg	24kg	24kg
Operating temperature range	-25 °C ... +60 °C with	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Noise emission (typical)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)
Self-Consumption (night)	< 0.5W	< 0.5W	< 0.5W	< 0.5W
Topology	Transformerless	Transformerless	Transformerless	Transformerless
Cooling concept	Natural	Natural	Natural	Natural
Environmental Protection Rating	IP 65	IP 65	IP 65	IP 65
Altitude	2000m without derating	2000m without derating	2000m without derating	2000m without derating
Relative Humidity	100%	100%	100%	100%
Features				
DC connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC connection	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD	LCD
Interfaces: RS232/RS485/Ethernet/RF/WiFi	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt
Warranty: 5 years / 10 years	yes / opt	yes / opt	yes / opt	yes / opt
Certificates and Approvals				