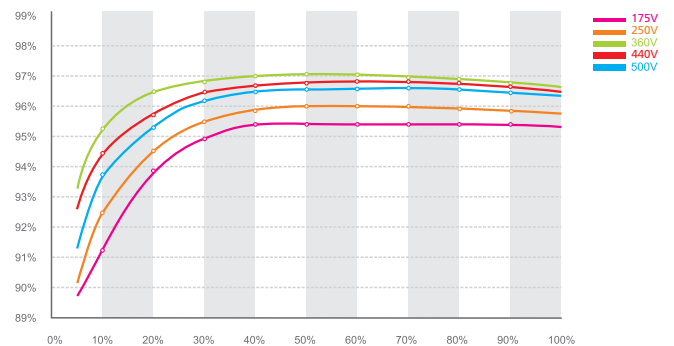




Leading - edge Technology

- ▶ maximum efficiency of 97.1% and wide input voltage range
- ▶ internal DC switch
- ▶ transformerless GT topology
- ▶ compact design
- ▶ Multi MPP controller
- ▶ MTL-string
- ▶ Bluetooth / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Easy installation
- ▶ Internal wireless communication module (option)
- ▶ Complete DSP control
- ▶ Reactive power control

5k efficiency



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	Growatt 3600MTL-10	Growatt 4200MTL-10	Growatt 5000MTL-10
Input Data			
Max. DC power	3800W	4400W	5000W
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
MPPT work voltage range/ nominal voltage	175V-550V /360V	175V-550V /360V	175V-550V /360V
Number of MPP trackers/ strings per MPP tracker	2/2	2/2	2/2
Max. input current of tracker A/tracker B	10A / 10A	15A / 15A	15A / 15A
Max. input current per string of tracker A/tracker B	10A / 10A	15A / 15A	15A / 15A
Output (AC)			
Rated AC output power	3600W	4200W	4600W
Max. AC power	3600VA	4200VA	4600VA
Max. output current	18A	21A	23A
AC nominal voltage; range	220V/230V/240V; 180V - 280V	220V/230V/240V; 180V - 280V	220V/230V/240V; 180V - 280V
AC grid frequency; range	50Hz, 60Hz / ±5Hz	50Hz, 60Hz / ±5Hz	50Hz, 60Hz / ±5Hz
Power factor	1	1	1
Displacement power factor, configurable	0.9leading...0.9lagging	0.9leading...0.9lagging	0.9leading...0.9lagging
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
Efficiency			
Max. efficiency	97.1%	97.1%	97.1%
Euro-eta	96.5%	96.5%	96.5%
MPPT efficiency	99.5%	99.5%	99.5%
Protection Devices			
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
General Data			
Dimensions (W / H / D) in mm	360/510/188	360/510/188	360/510/188
Weight	24KG	24KG	24KG
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
Environmental Protection Rating	IP 65	IP 65	IP 65
Altitude	2000m without derating	2000m without derating	2000m without derating
Relative Humidity	0~95%	0~95%	0~95%
Features			
DC connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC connection	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD
Interfaces: RS232/RS485/ Bluetooth/Wi-Fi	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
Certificates and Approvals			
CE, IEC 62109, VDE 0126-1-1, VDE-AR-N 4105, CEI 0-21, RD1663, G59, G83, AS4777, AS/NZS 3100.			
* 0.95leading...0.95lagging with VDE-AR-N 4105/0.95leading...0.95lagging with CEI 0-21 (System power less than 6KW) /0.9leading...0.9lagging with CEI 0-21 (System power larger than 6KW)			