

Growatt 3600MTL / 4200MTL / 5000MTL

Leading - edge Technology

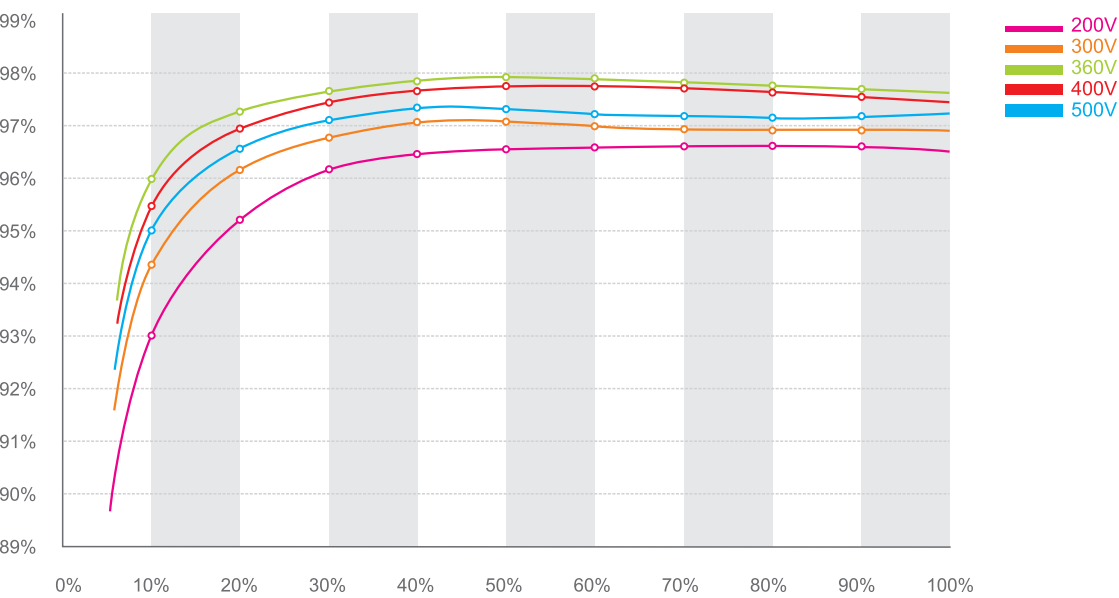
- ▶ Maximum efficiency of 97.9% and wide input voltage range
- ▶ Internal DC switch
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ Multi MPP controller
- ▶ MTL - String
- ▶ Bluetooth / RF technology / ZigBee
- ▶ Sound control
- ▶ Easy installation

Europe / Australia ENS

- ▶ Simple national setting of line supply monitoring(ENS)
- ▶ Easy country configuration
- ▶ Multi - language display
- ▶ Currently available for Germany, Austria, France, UK, Austria, Switzerland, Italy and Spain etc.



5k efficiency



Datasheet

	Growatt 3600MTL	Growatt 4200MTL	Growatt 5000MTL
Input Data			
Max. DC power	3800W	4400W	5200W
Max. DC voltage	600V	600V	600V
PV voltage range MPPT	120V - 550V	120V - 550V	120V - 550V
Initial / shut-down voltage	100V / 70V	100V / 70V	100V / 70V
Max. number of parallel strings	2/2	2/2	2/2
Number of MPP trackers	2(can parallel)	2(can parallel)	2(can parallel)
MPPT input current	10A / 10A	15A / 15A	15A / 15A
Output (AC)			
Nominal AC output power	3600W	4200W	4600W/5000W *
Max. output current	18A	21A	25A
Nominal AC 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
Phase shift (cos φ)	1	1	1
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
Efficiency			
Max.efficiency	97.6%	97.9%	97.9%
Euro-eta	97%	97.4%	97.4%
MPPT efficiency	99.5%	99.5%	99.5%
Protection Devices			
DC reverse polarity protection	yes	yes	yes
AC short-circuit protection	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	No fan	No fan	No fan
Installation: Indoors / Outdoors (IP65)	yes / yes	yes / yes	yes / yes
Altitude	Up to 2000m without power derating	Up to 2000m without power derating	Up to 2000m without power derating
Humidity	0 ~ 95%, no condensation	0 ~ 95%, no condensation	0 ~ 95%, no condensation
Features			
DC connection:(H4 / MC4)	yes / opt	yes / opt	yes / opt
AC connection: Terminals	yes	yes	yes
LCD display	yes	yes	yes
Interfaces: RS485/RS232/Bluetooth/RF/ZigBee	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, VDE0126-1-1, IEC62109,RD1663,G83
EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4
AS4777,AS/NZS3100, VDE-AR-N4105, CEI 0-21

* Optionally provide 5000W