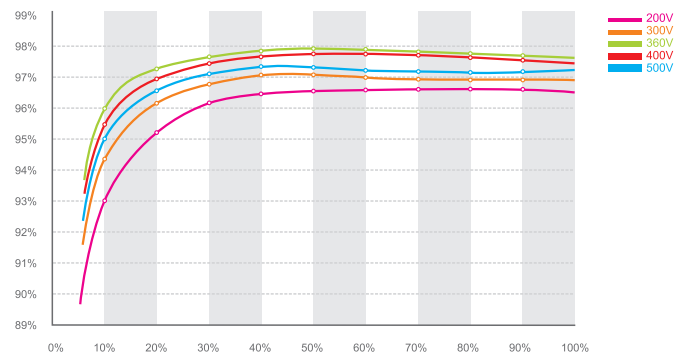




Leading - edge Technology

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

5k efficiency



GROWATT NEW ENERGY CO., LTD

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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
Max. number of parallel strings	2/2	2/2	2/2
Number of MPP trackers	2(can parallel)	2(can parallel)	2(can parallel)
Max. DC current each MPPT	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:(MC3/MC4/H4)	opt /opt / yes	opt / opt / yes	opt / opt / yes
AC connection: Terminals	yes	yes	yes
LCD display	yes	yes	yes
Interfaces: Bluetooth/RS485/RS232	opt / yes / yes	opt / yes / yes	opt / yes / yes
Warranty: 5 years / 10 years	yes / opt	yes / opt	yes / opt
Certificates and Approvals			
VDE0126-1-1, IEC62109,RD1663,G83 EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4 AS4777,SNZ/AS/NZS3100		* Optionally provide 5000W	