

	Growatt 3600MTL	Growatt 4200MTL	Growatt 5000MTL
Input data			
Max. DC power	3800W	4400W	5200W
Max. DC power each MPPT tracker	2000W	2500W	3000W
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 parrallel)	2(can parrallel)	2(can parrallel)
Max. input current of the MPP tracker	10A/10A	15A/15A	15A/15A
Output (AC)			
Nominal AC ouput	3600W	4200W	4600W/5000W
Nominal output current	15.6A	18A	22A
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	50 Hz, 60 Hz /± 5 Hz	50 Hz, 60 Hz /± 5 Hz	50 Hz, 60 Hz /± 5 Hz
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 / D / H) in mm	360/510/162.5	360/510/162.5	360/510/162.5
Weight	23KG	23KG	23KG
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Continuous full output power temperature range	-25 °C - 50 °C	-25 °C - 50 °C	-25 °C - 50 °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 electronics)	yes /opt	yes / opt	yes / yes
Features			
DC connection: MC3/MC4	opt / yes	opt / yes	opt / yes
AC connection: Terminals	yes	yes	yes
LCD display	yes	yes	yes
Interfaces: Bluetooth / RS485 / RS232	opt / opt / yes	opt / opt / yes	opt / opt / yes
Warranty: 5 years / 10 years	yes / opt	yes / opt	yes / opt
Certificates and approvals			
VDE 0126-1-1,IEC 62109,RD 1663,G83			
EN 61000-6-1,EN61000-6-2 ,EN61000-6-3,EN61000-6-4			
As4777, SNZ AS NZS 3100			