



- 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 / RF technology / ZigBee
- Sound control
- Easy installation

TECHNICAL DATA	Growatt 3000MTL	Growatt 4200MTL	Growatt 5000MTL
INPUT (DC)			
Max. DC power	3200W	4400W	5200W
Max. DC voltage	500V	600V	600V
PV voltage range MPPT	100V - 500V	120V - 550V	120V - 550V
Full load voltage	200V - 450V	250V-550V	
Max. number of parallel strings	1/1	2/2	2/2
Number of MPP trackers	2(Can parallel)		
Max. DC power each MPPT	2000W	2500W	3000W
MPPT input current	10A / 10A	15A / 15A	15A / 15A
OUTPUT (AC)			
Nominal AC output power	3000W	4200W	4600W/5000W*
Nominal output current	13A	18,5A	20A
Max. output current	15A	21A	25A
Nominal AC voltage range	220V/230V/240V 180Vac - 280Vac		
AC grid frequency range	50Hz, 60Hz / ±5Hz		
Phase shift (cos φ)	1		
THDI	<3%		
AC connection	Single phase		
EFFICIENCY			
Max. efficiency	97.5%	97.9%	97.9%
Euro-eta	97.4%	97.4%	97.4%
MPPT efficiency	99.5%		
PROTECTION DEVICES			
DC reverse polarity protection	yes		
AC short-circuit protection	yes		
Ground fault monitoring	yes		
Grid monitoring	yes		
Integrated all-pole sensitive leakage current monitoring unit	yes		
GENERAL DATA			
Dimensions (W / H / D) in mm	360/421/188	360/510/188	360/510/188
Weight	15.6KG	24KG	24KG
Operating temperature range	-30 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Noise emission (typical)	≤ 25 dB(A)		
Consumption: operating (standby)/ night	< 5W / < 0.5 W		
Topology	Transformerless		
Cooling concept	No fan		
Installation: Indoors / Outdoors (IP65)	yes / yes		
Altitude	Up to 2000m without power derating		
Humidity	0 ~ 95%, no condensation		
FEATURES			
DC connection:(MC3/MC4 Compatible/H4)	- /opt. / yes	opt. /opt. / yes	opt. /opt. / yes
AC connection: Terminals	yes		
LCD display	yes		
Interfaces:RS485/RS232/Bluetooth/RF/ZigBee	yes / yes / opt. / opt. / opt.	opt. /yes / yes	opt. / yes / yes
Warranty: 5 years / 10 years	yes / opt		
Certificates and approvals	SAA, CE / TUV, EN50178, VDE0126-1-1, EN61000-3-2EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, IEC62109, DK5940, G83, RD1663, VDE-AR-N4105, CEI 0-21	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			

* Optionally provide 5000W

Short FORM Part #	Description	Price Per	Unit of Measure
GRO3000MTL	GROWATT 3000MTL 3.0kW DUAL MPPT INVERTER	EA	EA
GRO4200MTL	GROWATT 4200MTL 4.2kW DUAL MPPT INVERTER	EA	EA
GRO5000MTL(4600)	GROWATT 5000MTL 4.6kW DUAL MPPT INVERTER	EA	EA
GRO5000MTL(5000)	GROWATT 5000MTL 5.0kW DUAL MPPT INVERTER	EA	EA