

Model	Growatt 3600MTL-US	Growatt 4200MTL-US	Growatt 5000MTL-US
Specifications			
<b>Input data</b>			
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
Full load voltage	250V-550V	250V-550V	250V-550V
Max. number of parallel strings	2	2	2
Number of MPP trackers	2(can parrallel)	2(can parrallel)	2(can parrallel)
Max.DC power on each MPP tracker	2000W	2500W	3000W
MPPT input current	10A/10A	15A/15A	15A/15A
Max. input current	10A/10A	15A/15A	15A/15A
<b>Output data</b>			
Nominal AC ouput power	3600W	4200W	4600W
Max. output power	3600W	4200W	5000W@240&277Vac 4600W@208Vac
Nominal AC voltage	Default:240Vac Split phase . optional:208,240 or 277single phase		
AC voltage range	183~228V@208Vac	211~264V@240Vac	244~305V@277Vac
Nominal AC grid frequency	60Hz		
AC grid frequency range	59.3--60.5Hz		
Nominal output current	17.4A / 15A /13A	20.2A / 17.5A / 15A	22A / 19A / 16.7A
Max. output current	18A / 17.1A /14.8A	21A / 20A / 17.2A	22A / 23.7A /20.5A
Phase shift (cos $\phi$ ) at nominal	>0.99	>0.99	>0.99
THDI at nominal	<3%	<3%	<3%
Phase conductors/connection phase	1/2	1/2	1/2
<b>Efficiency</b>			
Max. efficiency	98%	98%	98%
CEC. efficiency	97%	97%	97%
MPPT efficiency	99.5%	99.5%	99.5%

<b>Protection devices</b>			
DC reverse polarity protection	yes	yes	yes
PV Ground fault protection	yes	yes	yes
Insulation Resistance low protection	yes	yes	yes
AC short-circuit protection	yes	yes	yes
Grid monitoring	yes	yes	yes
Anti islanding protection	yes	yes	yes
<b>General Data</b>			
Dimensions (W / H / D) in mm	360/650/188	360/650/188	360/650/188
Weight	28.3KG	28.3KG	28.3KG
Altitude	Up to 2000m without power derating		
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Continuous full output power temperature range	-25 °C ... +45 °C	-25 °C ... +45 °C	-25 °C ... +45 °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
ENCLOSURE	Type 3R	Type 3R	Type 3R
Cooling concept	Natural cool	Natural cool	Natural cool
Installation: Indoor / Outdoor	yes / yes	yes / yes	yes / yes
<b>Features</b>			
DC connection: Terminals	yes	yes	yes
AC connection: Terminals	yes	yes	yes
LCD display	yes	yes	yes
Interfaces: Bluetooth /	opt/opt/yes	opt/opt/yes	opt/opt/yes

RS485/RS232			
Warranty: 5 years / 10 years	yes /opt	yes /opt	yes /opt
Certificates and approvals	UI1741, IEEE1547, CSA C22.2 No.107.1, FCC Part15(Class B)		