



### Leading - edge Technology

- ▶ Double MPPT Tracker, MPPT tracking accuracy more than 99.5%
- ▶ Max. Efficiency 97.9%, European Efficiency 97.4%
- ▶ Integrated DC switch for added safety protection
- ▶ Transformerless design and high power density, offer lighter and more convenient installation
- ▶ 5 years standard warranty
- ▶ Strong AC output power overload capability
- ▶ Flexible communication connection, support Bluetooth, RF, Zigbee,WiFi
- ▶ Comply with European, Asia-Pacific, and Ocean safety regulations

### Europe / Australia ENS

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

### Growatt New Energy Technology (Thailand) Co.,Ltd.

A: Le Concorde Tower, Unit 1104, 11th Floor, 202 Ratchadapisek Road, Huaykwang, Huaykwang, Bangkok 10310

T: 02-694-1238-9 Ext. 18 F: 02-694-1238

Facebook: Growatt New Energy Technology (Thailand) Co.,Ltd.

Datasheet	Growatt 3600MTL-10	Growatt 4200MTL-10	Growatt 5000MTL-10
<b>Input Data</b>			
Max. DC power	4100W	4800W	5300W
Max. DC voltage	600V	600V	600V
Start voltage	150V	150V	150V
PV voltage range	100V-600V	100V-600V	100V-600V
MPPT voltage range/ nominal voltage	175V-550V/360V	175V-550V/360V	175V-550V/360V
Full load DC voltage range	175V-550V	175V-550V	175V-550V
Number of MPP trackers/ strings per MPP tracker	2 / 2	2 / 2	2 / 2
Max. input current of tracker A /tracker B	10A / 10A	15A / 15A	15A / 15A
Max. input current per string of tracker A/tracker B	10A / 10A	15A / 15A	15A / 15A
<b>Output (AC)</b>			
Rated AC output power	3600W	4200W	4600W
Max. AC apparent power	3600VA	4200VA	4600VA
Max. output current	18A	21A	23A
AC nominal voltage; range	220V/230V/240V; 180Vac - 280Vac	220V/230V/240V; 180Vac - 280Vac	220V/230V/240V; 180Vac - 280Vac
AC grid frequency; range	50Hz,60Hz / ±5Hz	50Hz,60Hz / ±5Hz	50Hz,60Hz / ±5Hz
Power factor at rated power	1	1	1
Displacement power factor, configurable*	0.8leading... 0.8lagging	0.8leading... 0.8lagging	0.8leading... 0.8lagging
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
<b>Efficiency</b>			
Max. efficiency	97.1%	97.1%	97.1%
Euro-eta	96.5%	96.5%	96.5%
MPPT efficiency	99.5%	99.5%	99.5%
<b>Protection Devices</b>			
DC reverse polarity protection	yes	yes	yes
DC switch for each MPPT	yes	yes	yes
Output over current protection	yes	yes	yes
Output overvoltage protection -varistor	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
<b>General Data</b>			
Dimensions (W / H / D)	360/538/166 mm	360/538/185 mm	360/538/185 mm
Weight	20.3kg	25.7kg	25.7kg
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)
Self-Consumption (night)	< 0.5 W	< 0.5 W	< 0.5 W
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	Natural	Natural	Natural
Environmental Protection Rating	IP 65	IP 65	IP 65
Altitude	2000m without derating	2000m without derating	2000m without derating
Relative Humidity	100%	100%	100%
<b>Features</b>			
DC connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC connection	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD
Interfaces: RS232/RS485/ Ethernet/RF/WiFi	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