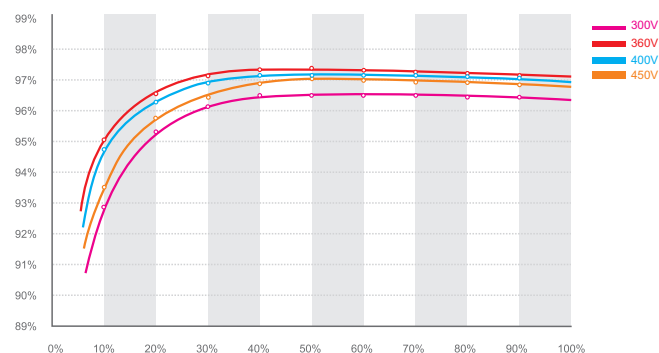




Leading - edge Technology

- ▶ Maximum efficiency of 97.3% and wide input voltage range
- ▶ Internal DC switch
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ MTL - String
- ▶ Bluetooth / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Easy installation
- ▶ Comprehensive Growatt warranty program

3k efficiency



GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

A: Building B, Jiayu Industrial Zone, #28 Guanghui Road, Longteng Community, Shiyan, Baoan District, Shenzhen, P.R.China.

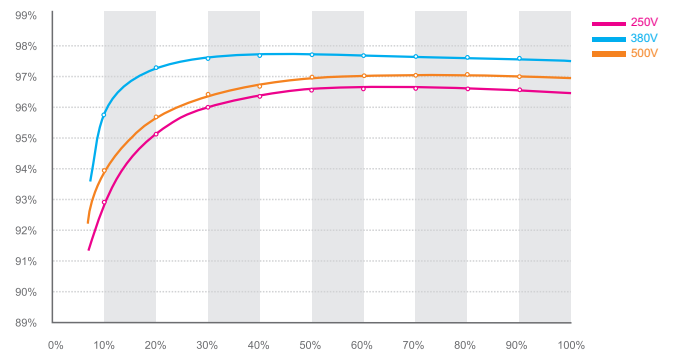
T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com



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 / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Easy installation

5k efficiency



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	Growatt 3600MTL	Growatt 4200MTL	Growatt 4600MTL	Growatt 5000MTL
Input Data				
Max. DC power	3800W	4400W	4800W	5200W
Max. DC voltage	600V	600V	600V	600V
Start voltage	150V	150V	150V	150V
PV voltage range	100V-600V	100V-600V	100V-600V	100V-600V
MPPT work voltage range / nominal voltage	120V-600V/360V	120V-600V/360V	120V-600V/360V	120V-600V/360V
Full load dc voltage range	190V-580V	175V-580V	175V-580V	175V-580V
Number of MPP trackers /strings per MPP tracker	2 / 2	2 / 2	2 / 2	2 / 2
Max. input current of tracker A/tracker B	10A / 10A	15A / 15A	15A / 15A	15A / 15A
Max. input current per string of tracker A/tracker B	10A / 10A	15A / 15A	15A / 15A	15A / 15A
Output (AC)				
Rated AC output power	3600W	4200W	4600W	5000W
Max. AC power	3600W	4200W	4600W	5000W
Max. output current	18A	21A	23A	25A
AC nominal voltage; range	220V/230V/240V; 180Vac - 280Vac	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	50Hz, 60Hz / ±5Hz
Power factor	1	1	1	1
THDI	<3%	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase	Single phase
Efficiency				
Max. efficiency	97.6%	97.9%	97.9%	97.9%
Euro-eta	97%	97.4%	97.4%	97.4%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%
Protection Devices				
DC reverse polarity protection	yes	yes	yes	yes
DC switch rating for each MPPT	yes	yes	yes	yes
Output over current protection	yes	yes	yes	yes
Output overvoltage protection-varistor	yes	yes	yes	yes
Ground fault monitoring	yes	yes	yes	yes
Grid monitoring	yes	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes	yes
General Data				
Dimensions (W / H / D) in mm	360/510/188	360/510/188	360/510/188	360/510/188
Weight	24KG	24KG	24KG	24KG
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Noise emission (typical)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)
Self-Consumption night	< 0.5 W	< 0.5 W	< 0.5 W	< 0.5 W
Topology	Transformerless	Transformerless	Transformerless	Transformerless
Cooling concept	Natural	Natural	Natural	Natural
Environmental Protection Rating	IP 65	IP 65	IP 65	IP 65
Altitude	2000m without derating	2000m without derating	2000m without derating	2000m without derating
Relative Humidity	0~95%	0~95%	0~95%	0~95%
Features				
DC connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC connection	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD	LCD
Interfaces: RS232/RS485/Bluetooth/Wi-Fi	yes / yes / opt / opt / opt	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	yes / opt
Certificates and Approvals				
CE, VDE 0126-1-1, CGC, DK5940, G59/2, G83/1-1, RD1663, RD1699, EN50438, IEC-62109, ENEL-Guide, AS4777, AS/NZS 3100				

	Growatt 1000TL	Growatt 1500TL	Growatt 2000TL	Growatt 3000TL
Input Data				
Max. DC power	1300W	1800W	2300W	3200W
Max. DC voltage	450V	450V	500V	500V
Start voltage	90V	150V	150V	150V
PV voltage range	70V - 450V	100V - 450V	100V - 500V	100V - 500V
MPPT work voltage range/ nominal voltage	70V-450V/180V	120V-450V/360V	120V-500V/360V	120V-500V/360V
Full load dc voltage range	110V - 400V	175V - 450V	195V-450V	250V - 450V
Number of MPP trackers /strings per MPP tracker	1 / 1	1 / 1	1 / 2	1 / 2
Max. input current /per string	10A/10A	10A/10A	12A/12A	15A/15A
Output (AC)				
Rated AC output power	1000W	1600W	2000W	2850W
Max. AC power	1100W	1650W	2200W	3000W
Max. output current	5.5A	8A	11A	15A
AC nominal voltage; range	220V/230V/240V; 180Vac-280Vac	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	50Hz, 60Hz;±5Hz
Power factor	1	1	1	1
THDI	<3%	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase	Single phase
Efficiency				
Max. efficiency	97%	97%	97.3%	97.3%
Euro-eta	95.5%	96.5%	96.5%	96.5%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%
Protection Devices				
DC reverse polarity protection	yes	yes	yes	yes
DC switch rating for each MPPT	yes	yes	yes	yes
Output over current protection	yes	yes	yes	yes
Output overvoltage protection-varistor	yes	yes	yes	yes
Ground fault monitoring	yes	yes	yes	yes
Grid monitoring	yes	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes	yes
General Data				
Dimensions (W / H / D) in mm	360/329/132	360/329/132	360/329/132	360/329/132
Weight	11.5KG	11.5KG	11.7KG	12.2KG
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Noise emission (typical)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)
Self-Consumption night	< 0.5 W	< 0.5 W	< 0.5 W	< 0.5 W
Topology	Transformerless	Transformerless	Transformerless	Transformerless
Cooling concept	Natural	Natural	Natural	Natural
Environmental Protection Rating	IP 65	IP 65	IP 65	IP 65
Altitude	2000m without derating	2000m without derating	2000m without derating	2000m without derating
Relative Humidity	0~95%	0~95%	0~95%	0~95%
Features				
DC connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC connection	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD	LCD
Interfaces: RS232/RS485/ Bluetooth/Wi-Fi	yes / yes / opt / opt / opt	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	yes / opt
Certificates and Approvals				