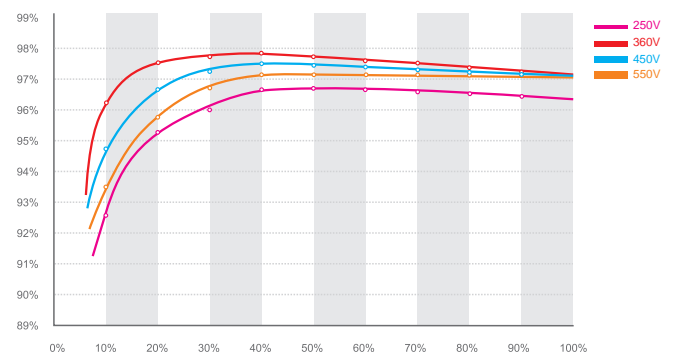




## Leading - edge Technology

- ▶ Maximum efficiency of 97.8% and wide input voltage range
- ▶ Internal DC switch
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ MTL - String
- ▶ Ethernet / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Easy installation
- ▶ Comprehensive Growatt warranty program

5k efficiency



## GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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	Growatt 4000	Growatt 4400	Growatt 5000
<b>Input Data</b>			
Max. DC power	4200W	4600W	5200W
Max. DC voltage	580V	580V	580V
Start voltage	150V	150V	150V
PV voltage range	100V - 580V	100V - 580V	100V - 580V
MPPT work voltage range/ nominal voltage	120V-580V/180V	120V-580V/360V	120V-580V/360V
Full load dc voltage range	250V - 500V	250V - 500V	250V - 500V
Number of MPP trackers /strings per MPP tracker	1 / 3	1 / 3	1 / 3
Max. input current /per string	20A/20A	20A/20A	20A/20A
<b>Output (AC)</b>			
Rated AC output power	3680W	4200W	4600W
Max. AC power	4000W	4400W	5000W
Max. output current	16A	21A	25A
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	1	1	1
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
<b>Efficiency</b>			
Max. efficiency	97.8%	97.8%	97.8%
Euro-eta	97.4%	97.4%	97.4%
MPPT efficiency	99.5%	99.5%	99.5%
<b>Protection Devices</b>			
DC reverse polarity protection	yes	yes	yes
DC switch rating 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) in mm	406/406/192	406/406/192	406/406/192
Weight	21KG	21KG	21KG
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	0~95%	0~95%	0~95%
<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/ Bluetooth/Rf/Wi-Fi	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
<b>Certificates and Approvals</b>			
CE, VDE 0126-1-1, DK5940, G83/1-1, G59/2, RD1663, EN50438, VDE-AR-N4105, CEI-021, IEC-62109, ENEL-Guide			