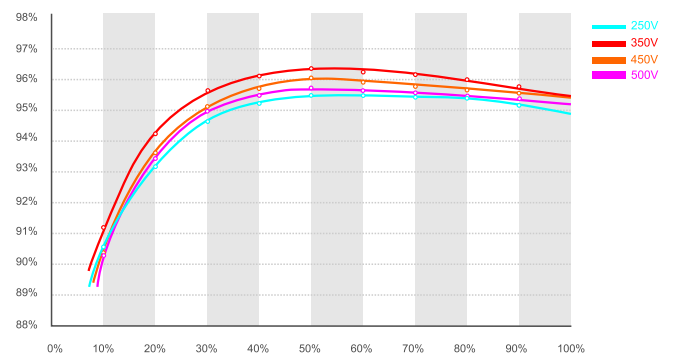




## Leading - edge Technology

- ▶ Maximum efficiency of 96.5% and wide input voltage range
- ▶ DC switch optional
- ▶ High frequency
- ▶ Compact design
- ▶ MTL - String
- ▶ Bluetooth / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Fanless cooling concept
- ▶ Easy installation
- ▶ High reliability

3k efficiency



## GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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	Growatt 2000HF	Growatt 2500HF	Growatt 3000HF
<b>Input Data</b>			
Max. DC power	2200W	2700W	3200W
Max. DC voltage	600V	600V	600V
Start voltage	150V	150V	150V
PV voltage range	100V - 600V	100V - 600V	100V - 600V
MPPT work voltage range / nominal voltage	120V - 600V/380V	120V - 600V/380V	120V - 600V/380V
Full load dc voltage range	195V - 480V	195V - 480V	250V - 480V
Number of independent MPP trackers / strings per MPP tracker	1 / 2	1 / 2	1 / 2
Max. input current / per string	12A / 12A	15A / 15A	15A / 15A
<b>Output (AC)</b>			
Rated AC output power	2000W	2500W	3000W
Max. AC power	2000W	2500W	3000W
Max. output current	10A	12A	14.3A
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	>0.99	>0.99	>0.99
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
<b>Efficiency</b>			
Max. efficiency	96.5%	96.4%	96.3%
Euro - eta	95.5%	95.5%	95.5%
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	440/455/135	440/455/135	440/455/135
Weight	18KG	18KG	18.5KG
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	HF Transformer	HF Transformer	HF Transformer
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,VDE-AR-N4105,G83,RD1663,DK5940,IEC-62109,AS4777,AS/NZS 3100			