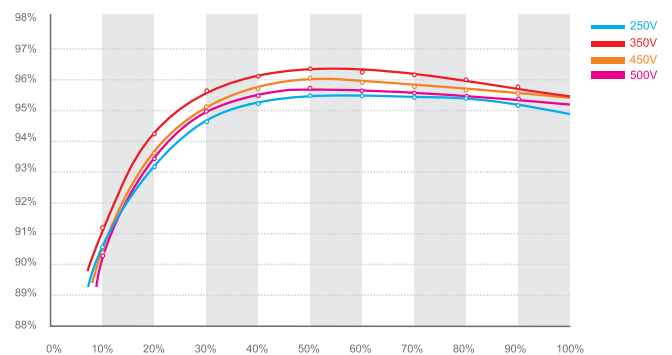




Leading - edge Technology

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

Growatt 3000HF efficiency



GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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Datasheet	Growatt 2000HF	Growatt 2500HF	Growatt 3000HF
Input Data			
Max. DC power	2300W	2900W	3500W
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
Output (AC)			
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	50,60Hz;±5Hz	50,60Hz;±5Hz	50,60Hz;±5Hz
Power factor	>0.99	>0.99	>0.99
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
Efficiency			
Max. efficiency	96.5%	96.4%	96.3%
Euro - eta	95.5%	95.5%	95.5%
MPPT efficiency	99.5%	99.5%	99.5%
Protection Devices			
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
General Data			
Dimensions (W / H / D)	440/455/135 mm	440/455/135 mm	440/455/135 mm
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	0~100%	0~100%	0~100%
Features			
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			