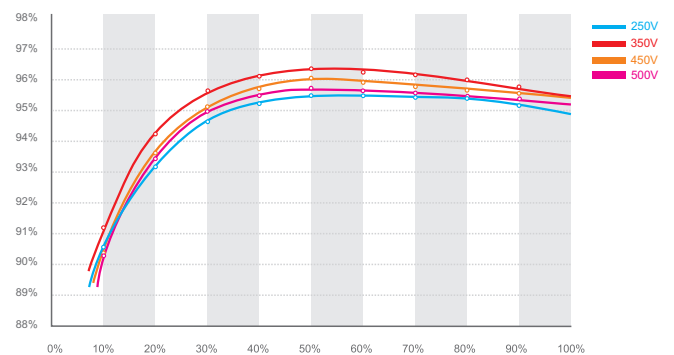


Leading - edge Technology

- ▶ 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 3000HF
Input Data		
Max. recommended PV power (for module STC)	2300W	3500W
Max. DC voltage	600V	600V
Start voltage	150V	150V
PV voltage range	100V - 600V	100V - 600V
MPP work voltage range /nominal voltage	120V - 600V/380V	120V - 600V/380V
Full load dc voltage range	195V - 480V	250V - 480V
Max. input current	12A	15A
Max. input current/per string	12A	15A
Number of independent MPP trackers/strings per MPP tracker	1 / 2	1 / 2
Output (AC)		
Rated AC output power	2000W	3000W
Max. AC power	2000W	3000W
Max. output current	10A	14.3A
AC nominal voltage; range	220V,230V,240V; 180Vac-280Vac	220V,230V,240V; 180Vac-280Vac
AC grid frequency; range	50,60Hz;±5Hz	50,60Hz;±5Hz
Power factor	>0.99	>0.99
THDI	<3%	<3%
AC connection	Single phase	Single phase
Efficiency		
Max. efficiency	96.5%	96.3%
Euro weighted efficiency	95.5%	95.5%
MPPT efficiency	99.5%	99.5%
Protection devices		
DC reverse polarity protection	yes	yes
DC switch for each MPPT	opt	opt
Output over current protection	yes	yes
Output overvoltage protection-varistor	yes	yes
Ground fault monitoring	yes	yes
Grid monitoring	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes
General Data		
Dimensions (W / H / D)in mm	386/362/154 mm	386/362/154 mm
Weight	13.6kg	13.6kg
Operating temperature range	- 25°C ... +60°C with derating above 45°C	- 25°C ... +60°C with derating above 45°C
Noise emission (typical)	≤25 dB(A)	≤25 dB(A)
Self-Consumption (night)	< 0.5 W	< 0.5 W
Topology	Transformer	Transformer
Cooling concept	Natural	Natural
Environmental Protection Rating	IP 65	IP 65
Altitude	2000m(6560ft) without derating	2000m(6560ft) without derating
Relative Humidity	100%	100%
Features		
DC connection	H4/MC4(opt)	H4/MC4(opt)
AC connection	Connector	Connector
Display	LCD	LCD
Interfaces: RS232/RF/WiFi/LAN/GPRS	yes / opt / opt / opt / opt	yes / opt / opt / opt / opt
Warranty: 5 years / 10 years	yes / opt	yes / opt
Certificates and Approvals		