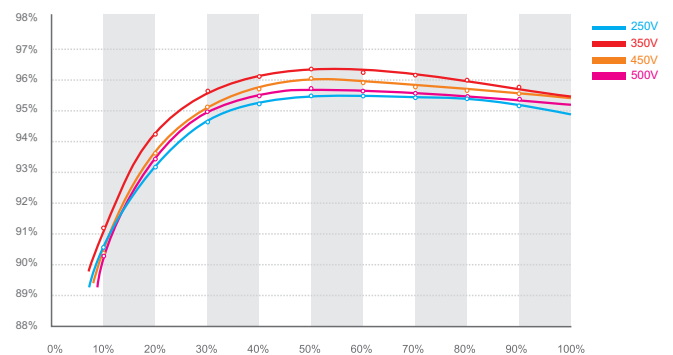




Leading - edge Technology

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

3k efficiency



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	Growatt 2000 HF-US	Growatt 2500 HF-US	Growatt 3000 HF-US
Input Data			
Max. DC power	2200W	2700W	3200W
Max. DC voltage	600V	600V	600V
Start voltage	150V	150V	150V
DC nominal voltage	370V@240VAC	370V@240VAC	370V@240VAC
PV voltage range/MPP voltage range	100V - 600V/120V - 600V	100V - 600V/120V - 600V	100V - 600V/120V - 600V
Full load dc voltage range	195V - 480V	195V - 480V	250V - 480V
Max. input current of the MPP tracker	12A	15A	15A
Max. input short circuit current	16A	16A	16A
Number of independent MPP trackers/strings per MPP tracker	1 / 2	1 / 2	1 / 2
Output (AC)			
Rated AC output power	2000W@208V 2000W@240 V	2500W@208V 2500W@240 V	2800W@208V 3000W@240V
Nominal AC voltage	208V/240V	208V/240V	208V/240V
AC voltage range	183V - 228V@208V; 211V - 264V@240V	183V - 228V@208V; 211V - 264V@240V	183V - 228V@208V; 211V - 264V@240V
AC grid frequency; range	60Hz; 59.3 - 60.5Hz	60Hz; 59.3 - 60.5Hz	60Hz; 59.3 - 60.5Hz
Max. output current (cosφ=1)	9.6A/8.3A	12A/10.4A	13.4A/12.5A
Power factor (cos φ)	>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%
CEC efficiency	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 rating for each MPPT	yes	yes	yes
Input over voltage protection	yes	yes	yes
DC insulation measure	yes	yes	yes
AC short circuit protection	yes	yes	yes
Output over voltage 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) in mm	575/455/160	575/455/160	575/455/160
Weight	22KG	22KG	22.5KG
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
Enclosure	Type 3R	Type 3R	Type 3R
Altitude	2000m without derating	2000m without derating	2000m without derating
Relative Humidity	0~95%	0~95%	0~95%
Features			
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: 10 years / 15 years	yes / opt	yes / opt	yes / opt
Certificates and Approvals			
UL 1741, IEC61730, CSA C22.2 No.107.1, FCC Part15(Class B)			