



Technologie de pointe

- ▶ Maximum efficiency of 96% and wide input voltage range
- ▶ DC switch optional
- ▶ High frequency transformer topology
- ▶ MTL-String
- ▶ Compact design
- ▶ Bluetooth technology
- ▶ Sound control
- ▶ Fanless cooling concept
- ▶ Easy installation
- ▶ High reliability

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	Growatt 2000HF	Growatt 2500HF	Growatt 3000HF
Input Data			
Max. DC power	2100W	2600W	3170W
Max. input current	12A	15A	15A
Number of MPP trackers	1	1	1
Nominal DC voltage	450 VDC	450 VDC	450 VDC
Maximum PV open voltage	600V	600V	600V
MPPT voltage rang (Vdc)	175 - 500	175 - 500	175 - 500
MPPT efficiency at output > 10%	> 99%	> 99%	> 99%
System start-up voltage	100VDC	100VDC	100VDC
Working voltage range(Vdc)	100 ~ 600	100 ~ 600	100 ~ 600
Initial feeding voltage	200VDC	200VDC	200VDC
Shutdown voltage	70 VDC typical	70 VDC typical	70 VDC typical
DC voltage ripple	< 5%	< 5%	< 5%
Output (AC)			
Nominal output power (230V/50Hz)	2000W	2500W	3000W
Max. output power	2000VA	2500VA	3000VA
Nominal AC voltage	220V, 230V or 240V	220V, 230V or 240V	220V, 230V or 240V
Operational AC voltage range	180~280V	180~280V	180~280V
Operational AC frequency range	45Hz~65Hz	45Hz~65Hz	45Hz~65Hz
AC power frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Rated power frequency/Rated power voltage	50Hz/230V	50Hz/230V	50Hz/230V
Maximum output current (AAC,RMS)	11.4A	14.2A	15.0A
DC injection (mA, DC)	<0.5%	<0.5%	<0.5%
O/P current distortion at full rating	<3%	<3%	<3%
Power Factor at full rating	>0.99	>0.99	>0.99
Active anti-islanding	yes	yes	yes
General Data			
Night power consumption	<1W	<1W	<1W
Maximum conversion efficiency (DC/AC)	96%	96%	96%
European Efficiency	95.5%	95.5%	95.5%
Topology	HF transformer	HF transformer	HF transformer
Protection degree	Ip65	Ip65	Ip65
Operating temperature	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Humidity	0 ~ 95%, noncondensing	0 ~ 95%, noncondensing	0 ~ 95%, noncondensing
Heat Dissipation	Convection	Convection	Convection
Consumption: operating (standby)/ night	< 5W / < 0.5 W	< 5W / < 0.5 W	< 5W / < 0.5 W
Acoustic noise level	< 25dBA	< 25dBA	< 25dBA
Altitude	Up to 2000m without power derating	Up to 2000m without power derating	Up to 2000m without power derating
Dimensions (W / H / D) in mm	452/450/130	452/450/130	452/450/130
Weight in KG	17.06KG	17.06KG	17.06KG
Certificates and Approvals (Australia)	As4777, AS/NZS3100	As4777, AS/NZS3100	As4777, AS/NZS3100