

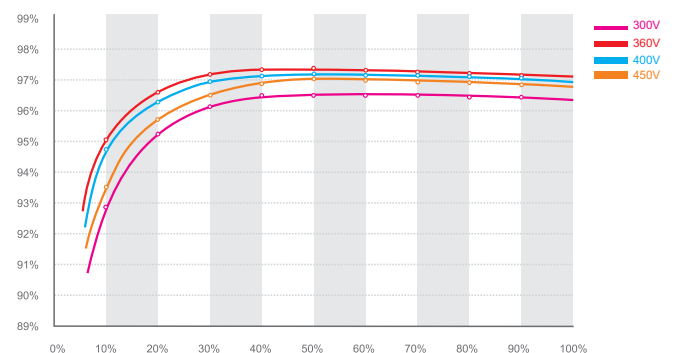
Growatt 1000S / 1500S



Leading - edge Technology

- ▶ Maximum efficiency of 97% and wide input voltage range
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ Ethernet / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Easy installation
- ▶ Built-in DC switch NOT applied to UK model

1.5k efficiency



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	Growatt 1000S	Growatt 1500S
Input Data		
Max. DC power	1300W	1900W
Max. DC voltage	450V	450V
Start voltage	80V	80V
PV voltage range	70V - 450V	70V - 450V
MPPT work voltage range/ nominal voltage	70V-450V/180V	70V-450V/250V
Full load dc voltage range	110V - 400V	175V - 400V
Number of MPP trackers /strings per MPP tracker	1 / 1	1 / 1
Max. input current	10A	10A
Max. input current per string	10A	10A
Output (AC)		
Rated AC output power	1000W	1600W
Max. AC power	1000W	1650W
Max. output current	4.6A	7.5A
AC nominal voltage; range	220V,230V,240V; 180Vac-280Vac	220V,230V,240V; 180Vac-280Vac
AC grid frequency ;range	50Hz, 60Hz; ±5Hz	50Hz, 60Hz; ±5Hz
Power factor	1	1
THDI	<3%	<3%
AC connection	Single phase	Single phase
Efficiency		
Max. efficiency	97%	97%
Euro-eta	95.5%	96.5%
MPPT efficiency	99.5%	99.5%
Protection Devices		
DC reverse polarity protection	yes	yes
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	271*267*127mm	271*267*127mm
Weight	5Kg	5Kg
Operating temperature range	-25 °C ... +60 °C(-13...+140 °F) with derating above 45°C /113°F	-25 °C ... +60 °C(-13...+140 °F) with derating above 45°C /113°F
Noise emission (typical)	≤25 dB(A)	≤25 dB(A)
Self-Consumption night	< 0.5 W	< 0.5 W
Topology	Transformerless	Transformerless
Cooling concept	Natural	Natural
Environmental Protection Rating	IP 65	IP 65
Altitude	2000m(6560ft) without derating	2000m(6560ft) without derating
Relative Humidity	0~100%	0~100%
Features		
DC connection	H4/MC4(opt)	H4/MC4(opt)
AC connection	Connector	Connector
Display	LCD	LCD
Interfaces: RS232/Wi-Fi/ Ethernet /RF	yes / opt / opt / opt	yes / opt / opt / opt
Warranty: 5 years / 10 years	yes / opt	yes / opt
Certificates and Approvals		