



G SERIES

THREE MPPT INVERTERS

G7 / G8 / G9 / G10 / G10.5



High Performance

Low start-up voltage, wide voltage range, 97.4% maximum efficiency



Upgradeable*

Fully optimised for upgrade to the FOX range of battery storage system

*Requires additional FOX equipment



IP65 Rated

Engineered to last with maximum suitability for outdoor installation



Remote Monitoring

Monitor your system remotely via smartphone app or web portal

ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.



THE G SERIES



For more about the FoxESS range of single-phase inverters, visit:

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

Model	G7000	G8000	G9000	G10000	G10500
INPUT					
PV					
Max.Recommended DC Power [W]	10500	12000	13500	15000	15750
Max.DC Voltage [V]	600	600	600	600	600
Nominal DC Operating Voltage [V]	360	360	360	360	360
Max. Input Current (input A/input B/input C) [A]	14A/ 14A/ 14A				
Max. Short Circuit Current (input A/input B/input C) [A]	18A/ 18A/ 18A				
MPPT Voltage Range [Vdc]	80-550	80-550	80-550	80-550	80-550
Start-up Voltage [V]	120	120	120	120	120
No. of MPP Trackers	3	3	3	3	3
Strings Per MPP Tracker	1	1	1	1	1
OUTPUT					
AC					
Nominal AC Power [W]	7000	8000	9000	10000	10500
Max. Apparent AC Power [VA]	7700	8800	9900	10500	10500
Rated Grid Voltage [Vac]	220/230/240				
Rated Grid Frequency [Hz]	50/60Hz , ±5Hz				
Nominal AC Current [A]	31.8	36.4	40.9	45.5	47.7
Max. AC Current [A]	35.0	40.0	45.0	47.7	47.7
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
Total Harmonic Distortion (THDi, Nominal output)	<3%	<3%	<3%	<3%	<3%
EFFICIENCY					
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	97.40%	97.40%	97.40%	97.40%	97.40%
Max. Efficiency	97.80%	97.80%	97.80%	97.80%	97.80%
PROTECTION					
DC Reverse-polarity Protection	YES				
Anti-Islanding Protection	YES				
Insulation Monitoring	YES				
Residual Current Monitoring	YES				
AC Short Circuit Protection	YES				
AC Output Over Current Protection	YES				
AC Output Over Voltage Protection	YES				
Arc fault protection	Optional				
Sugre Protection	Type II(DC) / Type II(AC)				
Temperature Protection	YES				
Integrated DC Switch	Optional				
STANDARD					
Safety	IEC62109-1/ IEC62109-2				
EMC	EC 61000-6-1 /IEC 61000-6-2 /IEC 61000-6-3				
Certification	RD1699/ EN50549-1/ ABNT NBR 16149/ABNT NBR 16150/IEC62116 /AS NZS 4777.2-2015 /VDE-AR-N 4105:2018 /G98 /G99				
GENERAL DATA					
Dimensions (WxHxD) [mm]	440*380*167				
Net Weight [kg]	19Kg				
Cooling Concept	Natural				
Ingress Protection (according to IEC60529)	IP65				
Topology	Transformerless				
Over Voltage Category	III (AC side), II (PV side)				
Noise Emission (typical) [dB]	<30dB				
Operating Temperature Range	-25..... +60°C (derating at +45°C)				
Storage Temperature Range	-40..... +70°C				
Humidity	0-100% (no condensation)				
Self Consumption (night) [W]	<1W				
Monitoring Module (optional)	External WIFI/GPRS(optional)				
Communication	RS485/Meter,CT,DRM, USB update				
Display	LCD screen,touch key,App,Web site				