



# G SERIES

## THREE MPPT INVERTERS

G7 / G8 / G9 / G10 / G10.5



### High Performance

Low start-up voltage, wide voltage range, 97.8% maximum efficiency



### Easy Installation

Flexible configuration, plug and play set-up.



### IP65 Rated

Engineered to last with maximum flexibility. Suitable 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 Fox ESS range of single-phase inverters, visit:

[WWW.FOX-ESS.COM](http://WWW.FOX-ESS.COM)



## TECHNICAL SPECIFICATIONS

Model	G7	G8	G9	G10	G10.5
<b>INPUT</b>					
<b>PV</b>					
Max. Input Power [W]	10500	12000	13500	15000	15750
Max. /Min. Input Voltage [V]	600/80	600/80	600/80	600/80	600/80
Start-up Input Voltage [V]	120	120	120	120	120
Rated Input Voltage [V]			360		
MPPT Operating Voltage Range [V]			80 ~ 550		
Max. Input Current [A]			14		
Max. Short-circuit Current [A]			18		
No. of Independent MPP Trackers	3	3	3	3	3
No. of Strings per MPP Tracker	1	1	1	1	1
<b>OUTPUT</b>					
<b>AC</b>					
Rated Output Apparent Power [VA]	7000	8000	9000	10000	10500
Max. Output Apparent Power [VA]	7700	8800	9900	10500	10500
Rated Grid Voltage [V]			220/230/240		
Rated Grid Frequency [Hz]			50/60		
Rated Output Current [A]	30.4	34.8	39.1	43.5	45.7
Max. Output Current [A]	33.5	38.3	43.0	45.7	47.7
Power Factor		1 ( Adjustable from 0.8 leading to 0.8 lagging )			
Total Harmonic Distortion ( THDi ) [%]			<3		
<b>EFFICIENCY</b>					
MPPT Efficiency [%]			99.00		
Euro-efficiency [%]			97.40		
Max. Efficiency [%]			97.80		
<b>PROTECTION</b>					
Insulation Monitoring			YES		
Residual Current Monitoring			YES		
DC Reverse Polarity Protection			YES		
Anti-islanding Protection			YES		
AC Short-circuit Protection			YES		
AC Overcurrent Protection			YES		
AC Overvoltage Protection			YES		
Surge Protection			Optional ( DC/AC: Type II )		
DC Switch			Optional		
AFCI			Optional		
<b>GENERAL DATA</b>					
Dimensions (WxHxD) [mm]			440*380*167		
Weight[kg]			19		
Cooling Method			Natural Convection		
Topology			Transformerless		
Noise Emission (typical) [dB]			<30		
Max. Operating Altitude [m]			3000		
Operating Temperature Range [°C]			-25 ~ 60		
Humidity [%]			0 ~ 100 ( No Condensation )		
Protection Degree			IP65		
Internal Consumption at Night [W]			<1		
Monitoring Module			WIFI / 4G ( Optional )		
Communication			RS485, Meter/CT, DRM		
Display			LCD, Touch Key, App, Website		
Country Of Manufacture			China		
<b>STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)</b>					
Safety			EN 62109-1/2		
EMC			EN 61000-6-3, EN IEC 61000-6-1, IEC 61000-6-1/3		
Grid Regulation			AS/NZS-4777.2, ABNT NBR 16149, ABNT NBR 16150, ABNT NBR IEC 62116, NB/T 32004, G99		