



G SERIES

THREE MPPT INVERTERS



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.



G SERIES



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

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

Model	G7	G8	G9	G10	G10.5
INPUT					
PV					
Max. Input Power [W]	10500	12000	13500	15000	15750
Max. /Min. Input Voltage [V]	600/80				
Start-up Input Voltage [V]	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				
No. of Strings per MPP Tracker	1				
OUTPUT					
AC					
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				
EFFICIENCY					
MPPT Efficiency [%]	99.00				
Euro-Efficiency [%]	97.40				
Max. Efficiency [%]	97.80				
PROTECTION					
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				
Ingress Protection	Optional				
APF	Optional				
GENERAL DATA					
Dimensions (W*H*D) [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)				
Ingress Protection	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				
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)					
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				