

G SERIES

SINGLE-PHASE INVERTER

Fox ESS offers a single-phase inverter, delivering unparalleled efficiency and performance.



7kW ...>> 10.5kW



Advanced System Monitoring
with **FoxCloud 2.0**



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.
- AI assistant helps better understand and manage your system.



www.fox-ess.com

TECHNICAL SPECIFICATIONS

MODEL	G7	G8	G9	G10	G10.5
PV INPUT					
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 MPP Trackers			3		
Strings per MPP Tracker			1		
AC OUTPUT					
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]	31.8	36.4	40.9	45.5	47.7
Max. Output Current [A]	35.0	40.0	45.0	47.7	47.7
Power Factor		1 (Adjustable from 0.8 leading to 0.8 lagging)			
Total Harmonic Distortion (THDi) [%]			<3		
EFFICIENCY					
MPPT Efficiency [%]			99.00		
European 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		
AFCI			Optional		
GENERAL DATA					
Dimensions (W*H*D) [mm]			380*440*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		
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		