



G SERIES

SINGLE-PHASE **INVERTER**



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.



Advanced System Monitoring
with **FoxCloud V2.0**

REFINED – POWERFUL – FLEXIBLE

Fox ESS offers a range of single-phase inverter offering unparalleled efficiency and performance. The single-phase G Series inverter options range from 7kW to 10.5kW.

7kW ...>> 10.5kW



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 MPP Trackers	3				
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]	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	Frequency shift				
AC Short-circuit Protection	YES				
AC Overcurrent Protection	YES				
AC Overvoltage Protection	YES				
Surge Protection	Optional (DC/AC: Type II)				
DC Switch	PEDS150-HM25R-6				
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				
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				