



# 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](http://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]                          | 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                                                                              |       |       |       |       |
| 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                                                       |       |       |       |       |
| 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 |       |       |       |       |