



# G SERIES

## THREE MPPT INVERTERS

G7 / G8 / G9 / G10 / G10.5



### High Performance

Low start-up voltage, wide voltage range, 97.4% maximum efficiency



### Upgradeable\*

Fully optimised for upgrade to the FOX range of battery storage system

\*Requires additional FOX equipment



### IP65 Rated

Engineered to last with maximum 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 FoxESS range of single-phase inverters, visit:

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



# TECHNICAL SPECIFICATIONS

| Model  | G7000   | G8000  | G9000  | G10000 | G10500 |
|--|---|--------|--------|--------|--------|
| <b>INPUT</b>   |   |        |        |        |        |
| <b>PV</b>  |   |        |        |        |        |
| Max.Recommended DC Power [W]                             | 10500   | 12000  | 13500  | 15000  | 15750  |
| Max.DC Voltage [V]                                       | 600   | 600    | 600    | 600    | 600    |
| Nominal DC Operating Voltage [V]                         | 360   | 360    | 360    | 360    | 360    |
| Max. Input Current (input A/input B/input C) [A]         | 14A/ 14A/ 14A   |        |        |        |        |
| Max. Short Circuit Current (input A/input B/input C) [A] | 18A/ 18A/ 18A   |        |        |        |        |
| MPPT Voltage Range [Vdc]                                 | 80-550  | 80-550 | 80-550 | 80-550 | 80-550 |
| Start-up Voltage [V]                                     | 120   | 120    | 120    | 120    | 120    |
| No. of MPP Trackers                                      | 3   | 3      | 3      | 3      | 3      |
| Strings Per MPP Tracker                                  | 1   | 1      | 1      | 1      | 1      |
| <b>OUTPUT</b>  |   |        |        |        |        |
| <b>AC</b>  |   |        |        |        |        |
| Nominal AC Power [W]                                     | 7000  | 8000   | 9000   | 10000  | 10500  |
| Max. Apparent AC Power [VA]                              | 7700  | 8800   | 9900   | 10500  | 10500  |
| Rated Grid Voltage [Vac]                                 | 220/230/240   |        |        |        |        |
| Rated Grid Frequency [Hz]                                | 50/60Hz   |        |        |        |        |
| Nominal AC Current [A]                                   | 31.8  | 36.4   | 40.9   | 45.5   | 47.7   |
| Max. AC Current [A]                                      | 35.0  | 40.0   | 45.0   | 47.7   | 47.7   |
| Displacement Power Factor                                | 1 (Adjustable from 0.8 leading to 0.8 lagging)  |        |        |        |        |
| Total Harmonic Distortion (THDi, Nominal output)         | <3%   | <3%    | <3%    | <3%    | <3%    |
| <b>EFFICIENCY</b>  |   |        |        |        |        |
| MPPT Efficiency  | 99.00%  | 99.00% | 99.00% | 99.00% | 99.00% |
| Euro-efficiency  | 97.40%  | 97.40% | 97.40% | 97.40% | 97.40% |
| Max. Efficiency  | 97.80%  | 97.80% | 97.80% | 97.80% | 97.80% |
| <b>PROTECTION</b>  |   |        |        |        |        |
| DC Reverse-polarity Protection                           | YES   |        |        |        |        |
| Anti-Islanding Protection                                | YES   |        |        |        |        |
| Insulation Monitoring                                    | YES   |        |        |        |        |
| Residual Current Monitoring                              | YES   |        |        |        |        |
| AC Short Circuit Protection                              | YES   |        |        |        |        |
| AC Output Over Current Protection                        | YES   |        |        |        |        |
| AC Output Over Voltage Protection                        | YES   |        |        |        |        |
| Arc fault protection                                     | Optional  |        |        |        |        |
| Sugre Protection   | Type II(DC) / Type II(AC)   |        |        |        |        |
| Temperature Protection                                   | YES   |        |        |        |        |
| Integrated DC Switch                                     | YES   |        |        |        |        |
| <b>STANDARD</b>  |   |        |        |        |        |
| Safety   | IEC62109-1/ IEC62109-2  |        |        |        |        |
| EMC  | EC 61000-6-1 /IEC 61000-6-2 /IEC 61000-6-3  |        |        |        |        |
| Certification  | RD1699/ EN50549-1/ ABNT NBR 16149/ABNT NBR 16150/IEC62116 /AS NZS 4777.2-2015 /G98 /G99 |        |        |        |        |
| <b>GENERAL DATA</b>                                      |   |        |        |        |        |
| Dimensions (WxHxD) [mm]                                  | 440*380*167   |        |        |        |        |
| Net Weight [kg]  | 19Kg  |        |        |        |        |
| Cooling Concept  | Natural   |        |        |        |        |
| Ingress Protection (according to IEC60529)               | IP65  |        |        |        |        |
| Topology   | Transformerless   |        |        |        |        |
| Over Voltage Category                                    | III (AC side), II (PV side)   |        |        |        |        |
| Noise Emission (typical) [dB]                            | <30dB   |        |        |        |        |
| Operating Temperature Range[°C]                          | -25..... +60(derating at +45)   |        |        |        |        |
| Storage Temperature Range[°C]                            | -40..... +70  |        |        |        |        |
| Humidity   | 0-100% (no condensation)  |        |        |        |        |
| Self Consumption (night) [W]                             | <1  |        |        |        |        |
| Monitoring Module (optional)                             | External WIFI/GPRS(optional)  |        |        |        |        |
| Communication  | RS485/Meter,CT,DRM, USB update  |        |        |        |        |
| Display  | LCD screen,touch key,App,Web site   |        |        |        |        |