



# G SERIES

## THREE MPPT INVERTERS

G7 / G8 / G9 / G10 / G10.5



### 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.



## THE G SERIES



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                                                                             | 600/80                                           | 600/80                       | 600/80 | 600/80 |
| Start-up Input Voltage [V]                        | 120                                                                                | 120                                              | 120                          | 120    | 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                                                                                  | 3                                                | 3                            | 3      | 3      |
| No. of Strings per MPP Tracker                    | 1                                                                                  | 1                                                | 1                            | 1      | 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                     |        |        |
| AFCI                                              |                                                                                    |                                                  | Optional                     |        |        |
| GENERAL DATA                                      |                                                                                    |                                                  |                              |        |        |
| Dimensions (WxHxD) [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 )                      |                              |        |        |
| Protection Degree                                 |                                                                                    |                                                  | 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 |                                                  |                              |        |        |