



# F SERIES(G2)

SINGLE-PHASE **INVERTER**



## HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 97.4% 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 and dual-MPPT single-phase inverter offering unparalleled efficiency and performance. Our dual-MPPT F Series(G2) range includes 3 - 6kW models. The F Series(G2) is IP65 rated and battery ready for easy upgrade when paired with a Fox ESS charge controller.

3kW ...>> 6kW



For more about the Fox ESS range of single-phase inverters, visit:

[www.fox-ess.com](http://www.fox-ess.com)



TECHNICAL SPECIFICATIONS

| MODEL                                             | F3000-G2                                         | F3600-G2 | F4600-G2 | F5000-G2 | F5300-G2 | F6000-G2 |
|---------------------------------------------------|--------------------------------------------------|----------|----------|----------|----------|----------|
| INPUT(PV)                                         |                                                  |          |          |          |          |          |
| Max. Input Power [W]                              | 4500                                             | 5400     | 6900     | 7500     | 7950     | 9000     |
| 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                               | 2                                                |          |          |          |          |          |
| Strings per MPP Tracker                           | 1                                                |          |          |          |          |          |
| OUTPUT(AC)                                        |                                                  |          |          |          |          |          |
| Rated Output Apparent Power [VA]                  | 3000                                             | 3600     | 4600     | 5000     | 5300     | 6000     |
| Max. Output Apparent Power [VA]                   | 3300                                             | 3960     | 5060     | 5500     | 5830     | 6000     |
| Rated Grid Voltage [Vac]                          | 220/ 230/ 240                                    |          |          |          |          |          |
| Rated Grid Frequency [Hz]                         | 50/ 60                                           |          |          |          |          |          |
| Rated Output Current [A]                          | 13.0                                             | 15.7     | 20.0     | 21.7     | 23.0     | 26.1     |
| Max. Output Current [A]                           | 14.3                                             | 17.2     | 22.0     | 23.9     | 25.3     | 26.1     |
| Power Factor                                      | 1 ( Adjustable from 0.8 leading to 0.8 lagging ) |          |          |          |          |          |
| THDi [%]                                          | <3                                               |          |          |          |          |          |
| EFFICIENCY                                        |                                                  |          |          |          |          |          |
| MPPT Efficiency [%]                               | 99.00                                            |          |          |          |          |          |
| European Efficiency [%]                           | 96.80                                            |          |          |          |          |          |
| Max. Efficiency [%]                               | 97.40                                            |          |          |          |          |          |
| PROTECTION                                        |                                                  |          |          |          |          |          |
| Insulation Monitoring                             | YES                                              |          |          |          |          |          |
| Residual Current Monitoring                       | YES                                              |          |          |          |          |          |
| PV String 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                                  | DC/AC: Type II                                   |          |          |          |          |          |
| DC Switch                                         | Optional                                         |          |          |          |          |          |
| AFCI                                              | NO                                               |          |          |          |          |          |
| GENERAL DATA                                      |                                                  |          |          |          |          |          |
| Dimensions (W*H*D) [mm]                           | 402*453*148                                      |          |          |          |          |          |
| Weight [kg]                                       | 14.8                                             |          |          |          |          |          |
| 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                                             |          |          |          |          |          |
| Standby Consumption [W]                           | <1                                               |          |          |          |          |          |
| Monitoring Module                                 | LAN/ WIFI / GPRS / 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/IEC 62109-1/2                                 |          |          |          |          |          |
| EMC                                               | EN 61000-6-1/2/3/4                               |          |          |          |          |          |
| Grid Regulation                                   | AS/NZS-4777.2, CEI 0-21                          |          |          |          |          |          |