



# 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-B    | F5000-G2-B |
|---|----------|--|---------------|------------|
| INPUT(PV)   |          |  |               |            |
| Max. Input Power [W]                              | 4500     | 5400   | 6900          | 7500       |
| 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       |
| Max. Output Apparent Power [VA]                   | 3300     | 3960   | 4600          | 5000       |
| 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       |
| Max. Output Current [A]                           | 14.3     | 17.2   | 20.0          | 21.7       |
| Power Factor                                      |          | 1 ( Adjustable from 0.8 leading to 0.8 lagging ) |               |            |
| Total Harmonic Distortion ( THDi ) [%]            |          |  | <3            |            |
| EFFICIENCY  |          |  |               |            |
| MPPT Efficiency [%]                               |          |  | 99.00         |            |
| Euro-efficiency [%]                               |          |  | 96.80         |            |
| Max. Efficiency [%]                               |          |  | 97.40         |            |
| 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]                           |          | 402*453*148                                      |               |            |
| Weight [kg]                                       |          | 14.8   |               |            |
| Cooling Method                                    |          | Natural Convection                               |               |            |
| Topology  |          | Non-isolated                                     |               |            |
| 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 / 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                          |               |            |