



T SERIES(G3)

THREE-PHASE **INVERTER**



HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 98.6% 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**

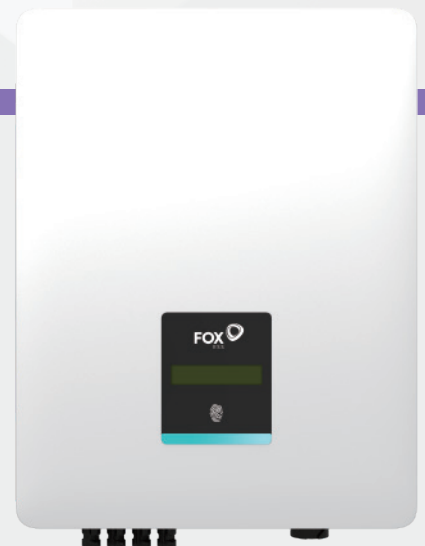
REFINED – POWERFUL – FLEXIBLE

The T Series(G3) inverter range is aimed at three-phase domestic and small-scale commercial installations, offering unrivalled performance and versatility for increased yield potential and longer generation windows. The three-phase T Series(G3) inverter options range from 3kW to 25kW.

3kW ...>>> 25kW



For more about the Fox ESS range of three-phase inverters, visit:
www.fox-ess.com



TECHNICAL SPECIFICATIONS

| MODEL | T3-G3 | T4-G3 | T5-G3 | T6-G3 | T8-G3 | T10-G3 | T12-G3 | T15-G3 | T17-G3 | T20-G3 | T23-G3 | T25-G3 |
|---|---|-------|-------|-------|-------|--------|--------|----------|--------|--------|--------|--------|
| INPUT (PV) | | | | | | | | | | | | |
| Max. Input Power [W] | 4500 | 6000 | 7500 | 9000 | 12000 | 15000 | 18000 | 22500 | 25500 | 30000 | 34500 | 37500 |
| Max. Input Voltage [V] | 1100 | | | | | | | | | | | |
| Start-up Input Voltage [V] | 140 | | | | | | | | | | | |
| Rated Input Voltage [V] | 600 | | | | | | | | | | | |
| MPPT Operating Voltage Range [V] | 140 ~ 1000 | | | | | | | | | | | |
| Max. Input Current [A] | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 28 | 28 | 28 | 28 | 28 |
| Max. Short-circuit Current [A] | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| No. of Independent MPP Trackers | 2 | | | | | | | | | | | |
| No. of Strings per MPP Tracker | 1+1 | 1+1 | 1+1 | 1+1 | 1+1 | 1+1 | 1+1 | 2+2 | 2+2 | 2+2 | 2+2 | 2+2 |
| OUTPUT (AC) | | | | | | | | | | | | |
| Rated Output Power [W] | 3000 | 4000 | 5000 | 6000 | 8000 | 10000 | 12000 | 15000 | 17000 | 20000 | 23000 | 25000 |
| Max. Output Apparent Power [VA] | 3300 | 4400 | 5500 | 6600 | 8800 | 11000 | 13200 | 16500 | 18700 | 22000 | 25300 | 27500 |
| Rated Grid Voltage [V] | 3/N/PE, 220/380, 230/400, 240/415 | | | | | | | | | | | |
| Rated Grid Frequency [Hz] | 50/60 | | | | | | | | | | | |
| Rated Output Current [A] | 4.3 | 5.8 | 7.2 | 8.7 | 11.6 | 14.5 | 17.4 | 21.7 | 24.6 | 29.0 | 33.3 | 36.2 |
| Max. Output Current [A] | 4.8 | 6.4 | 8.0 | 9.6 | 12.8 | 15.9 | 19.1 | 23.9 | 27.1 | 31.9 | 36.7 | 39.9 |
| Power Factor | 1 (Adjustable from 0.8 leading to 0.8 lagging) | | | | | | | | | | | |
| THDi [%] | <3 | | | | | | | | | | | |
| EFFICIENCY | | | | | | | | | | | | |
| MPPT Efficiency [%] | 99.8 | | | | | | | | | | | |
| European Efficiency [%] | 97.8 | | | | | | | | | | | |
| Max. Efficiency [%] | 98.6 | | | | | | | | | | | |
| PROTECTION | | | | | | | | | | | | |
| Insulation Monitoring | YES | | | | | | | | | | | |
| Residual Current Monitoring | YES | | | | | | | | | | | |
| PV String Current Monitoring | Yes | | | | | | | Optional | | | | |
| 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 | Optional | | | | | | | | | | | |
| GENERAL DATA | | | | | | | | | | | | |
| Dimensions (W*H*D) [mm] | 370*480*183.5 | | | | | | | | | | | |
| Weight [kg] | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 20 | 20 | 20 | 21 | 21 |
| Cooling Method | Natural Convection | | | | | | | Fan | | | | |
| Topology | Transformerless | | | | | | | | | | | |
| Noise Emission (typical) [dB] | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <55 | <55 | <55 | <55 | <55 |
| Max. Operating Altitude [m] | 3000 | | | | | | | | | | | |
| Operating Temperature Range [°C] | -25 ~ 60 | | | | | | | | | | | |
| Humidity [%] | 0 ~ 100 (No Condensation) | | | | | | | | | | | |
| Ingress Protection | IP65 | | | | | | | | | | | |
| Internal Consumption at Night [W] | <3 | | | | | | | | | | | |
| Monitoring Module | WIFI / 4G (Optional) | | | | | | | | | | | |
| Communication | RS485, Meter, DRM, Estop | | | | | | | | | | | |
| Display | LCD, Touch Key, App, Website | | | | | | | | | | | |
| STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) | | | | | | | | | | | | |
| Safety | EN 62109-1/2, BIS IS 16169, BIS IS 16221-1/2 | | | | | | | | | | | |
| EMC | EN 61000-6-1/2/3/4 | | | | | | | | | | | |
| Grid Regulation | AS/NZS-4777.2, C10/11, EN50549-1, PN EN-50549-1, VDE-AR- N4105, RD 1699, CEI 0-21, NB/T 32004, VDE V 0126-1-1, UTE C 15-712-1 | | | | | | | | | | | |