DATASHEET

T SERIES(G3)

THREE-PHASE **INVERTER**



HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 98.6% maximum effiency.

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.



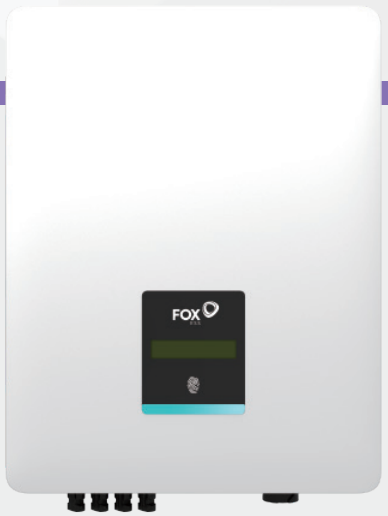
Advanced System Monitoring
with FoxCloud **V2.0**

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]	4.5	6.1	7.6	9.1	12.1	15.2	18.2	22.7	25.8	30.3	34.8	37.9
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											