



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

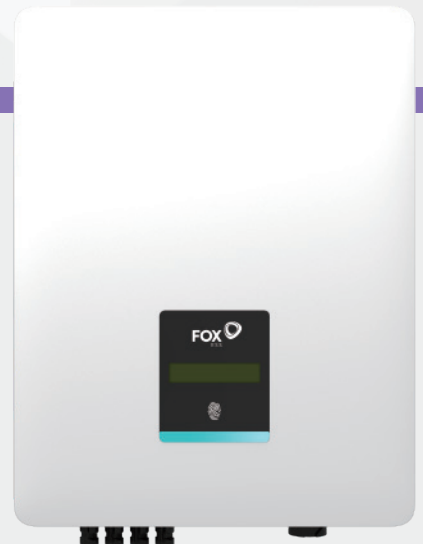
The T Series(G3) inverter range is aimed at three-phase domestic and small-scale commercial installations, offering unrivalled performance and versatility for increased yield potential and longer generation windows. The three-phase T Series(G3) inverter options range from 3kW to 25kW.

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 T8(Dual)-G3	T10-G3 T10(Dual)-G3	T12-G3 T12(Dual)-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
					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
					2+2	2+2	2+2					
OUTPUT (AC)												
Rated Output Power[W]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000
Rated Output Apparent Power [VA]	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)											
Total Harmonic Distortion [THDi] [%]	<3											
EFFICIENCY												
MPPT Efficiency [%]							99.8					
Euro Efficiency [%]							97.8					
Max. Efficiency [%]							98.6					
PROTECTION												
Insulation Monitoring							YES					
Residual Current Monitoring							YES					
PV String Current Monitoring	YES	YES	YES	YES	YES	YES	YES	Optional	Optional	Optional	Optional	Optional
						Optional	Optional	Optional				
DC Reverse Polarity Protection							YES					
Anti-islanding Protection							Frequency Shift					
AC Short-circuit Protection							YES					
AC Overcurrent Protection							YES					
AC Overvoltage Protection							YES					
Overvoltage Category							III(AC), II(DC)					
Surge Protection							DC/AC: Type II					
DC Switch							YES(PEDS150H-HM63R-4R)					
AFCI							Optional					
Protective Class							Class I					
GENERAL DATA												
Dimensions (W*H*D) [mm]							370*480*183.5					
Weight [kg]	17	17	17	17	17	17	17	21	21	21	21	21
					21	21	21					
Cooling Method	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Fan	Fan	Fan	Fan	Fan
					Fan	Fan	Fan					
Topology	Non-isolated											
Noise Emission (typical) [dB]	<30	<30	<30	<30	<30	<30	<30	<55	<55	<55	<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					
Pollution degree	pollution degree 3 for external environment, pollution degree 2 for internal environment											
Monitoring Module							RS485, WiFi (Optional)/ 4G(Optional)					
Communication							Meter, DRM, E-stop					
Display							LCD screen, LED, touch key, APP, Web site					
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)												
Safety							IEC62109-1/2					
EMC							IEC 61000-6-1 / IEC 61000-6-2 / IEC 61000-6-3 / IEC61000-4-2/3/4/5/6/8					
Grid Regulation	AS4777.2-2020 VDE-AR-N 4105 /VDE0126-1-1 / G98 / G99 / EN50549-1 / CEI 0-21 / IEC62116 / IEC61727 / IEC61683											
MANUFACTURE												
Country of origin	China											