



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**

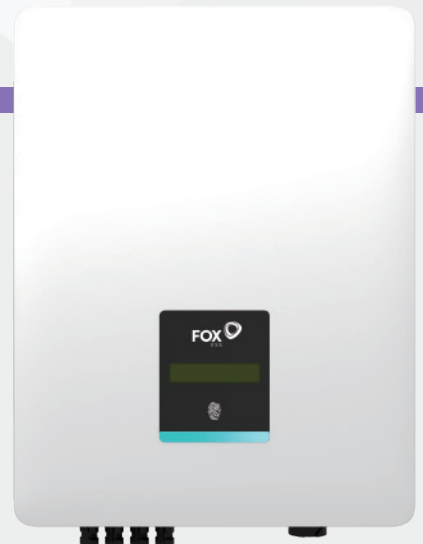
REFINED – POWERFUL – FLEXIBLE

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					
					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					
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					
Cooling Method	Natural	Natural	Natural	Natural	21	21	21										
					Natural	Natural	Natural										
					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																