FOX ESS

DATASHEET

Three-Phase T Series(G3)

T3-G3/T4-G3/T5-G3/T6-G3/T8-G3/T10-G3

T12-G3/T15-G3/T17-G3/T20-G3/T23-G3/T25-G3

T SERIES (G3)

3-PHASE INVERTERS

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

REFINED – POWERFUL – FLEXIBLE

High Performance

Low start-up voltage, wide voltage range, 98.6% maxium effiency

Upgradeable*

Fully optimised for upgrade to the FOX range of battery storage system

*Requires additional FOX equipment

IP65 Rated

Engineered to tast with maximum suitable for outdoor installation

Remote Monitoring

Monitor your system remotely via smartphone app or web portal

ANYTIME, ANYWHERE

REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.

THE T SERIES (G3)

For more about the FoxESS 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	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
Start-up Input Voltage[V]	140	140	140	140	140	140	140	140	140	140	140	140
Rated Input Voltage[V]	600	600	600	600	600	600	600	600	600	600	600	600
MPPT Operating Voltage Range[V]	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	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	2	2	2	2	2	2	2	2	2	2	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)											
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							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	YES											
AFCI	YES											
GENERAL DATA												
Demensions (WxHxD)[mm]	370*480*183.5											
Weight	17	17	17	17	17	17	17	20	20	20	21	21
Cooling Method	Natural Convection							Fan				
Topology	Transformerless											
Noise Emission (typical)	<30	<30	<30	<30	<30	<30	<30	<55	<55	<55	<55	<55
Max. Operating Altitude	3000											
Operating Temperature Range	-25 ~ 60											
Humidity	0 ~ 100% (No Condensation)											
Protection Degree	IP65											
Internal Consumption at Night	<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											