



T SERIES (G3) PRO

3-PHASE INVERTERS

The T Series(G3) PRO 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(G3) PRO inverter options range from 15kW to 25kW.

REFINED – POWERFUL – FLEXIBLE



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 suitability 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) PRO



For more about the Fox ESS range of three-phase inverters, visit:

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

MODEL	T15 Pro	T17 Pro	T20 Pro	T23 Pro	T25 Pro
INPUT (PV)					
Max.Recommended DC power [W]	22500	25500	30000	34500	37500
Max.DC voltage [V]	1100	1100	1100	1100	1100
Norminal DC operating voltage [V]	600	600	600	600	600
Max. input current(input A/input B) [A]	32/32	32/32	32/32	40/32	40/32
Max. short circuit current(input A/input B) [A]	41.6/41.6	41.6/41.6	41.6/41.6	52/41.6	52/41.6
MPPT voltage range [Vdc]	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000
MPPT voltage range(full load) [Vdc]	250 ~ 850	290 ~ 850	330 ~ 850	340 ~ 850	360 ~ 850
Start-up voltage [V]	140	140	140	140	140
No. of MPP trackers	2	2	2	2	2
Strings per MPP tracker	2+2	2+2	2+2	2+2	2+2
Max.Inverter backfeed current to the array [mA]	0	0	0	0	0
OUTPUT (AC)					
Norminal AC power [W]	15000	17000	20000	23000	25000
Max. apparent AC power [VA]	16500	18700	22000	25300	27500
Rated grid voltage(AC voltage range)	3/N/PE, 220/380, 230/400				
Rated grid Frequency [Hz]	50/60 , ±5				
Norminal AC current [A]	21.7	24.6	29.0	33.3	36.2
Max. AC current [A]	23.9	27.1	31.9	36.7	39.9
Inrush current [A]	12.1 @0.6 ms		19.3 @1.3 ms		
Maximum output fault current [A]	93		145		
Maximum output overcurrent protection [A]	50.7	57.5	67.6	70	84.5
Displacement power factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
Total Harmonic Distortion (THDi) [%] (@rated output)	<3				
EFFICIENCY					
MPPT Efficiency [%]	99.8				
Euro Efficiency [%]	97.8				
Max. Efficiency [%]	98.6				
PROTECTION					
DC reverse-polarity protection	YES				
Anti-Islanding protection	YES				
Insulation monitoring	YES				
Residual current monitoring	YES				
AC Short circuit protection	YES				
AC Output over current protection	YES				
AC Output over voltage protection	YES				
Surge protection	Type II (DC) and Type II (AC)				
Temperature protection	YES				
Integrated DC switch	Optional				
AFCI Protection	Optional				
String Level Monitor	Optional				
GENERAL DATA					
Dimensions(WxHxD) [mm]	480*370*183.5				
NET Weight [kg]	20				
Cooling concept	FAN				
Protective class	I				
Ingress Protection(according to IEC60529)	IP65				
Topology	Non-isolated				
Over Voltage category	III(AC side), II(PV side)				
Noise emission(typical)[dB] @1m	<55				
Max. Operating Altitude [m]	3000				
Operating temperature range [°C]	-25 ~ +60 (derating at +45)				
Storage temperature range [°C]	-40 ~ +70				
Humidity [%]	0 ~ 100 (no condensation)				
Self consumption(night) [W]	<3				
Pollution Degree	II				
Monitoring Module	WIFI / 4G (Optional), RS485 (Optional)				
Communication	Meter(Optional), Estop(Optional)				
Display	LCD, App, Website				
STANDARD					
Certification	NBT 32004-2018				