



T PRO SERIES

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**

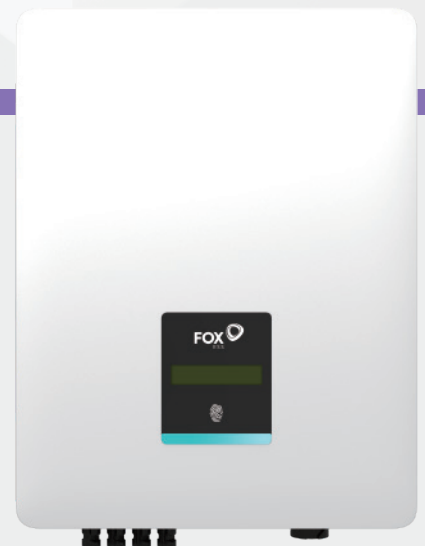
REFINED – POWERFUL – FLEXIBLE

The T Pro Series 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 Pro Series inverter options range from 3kW to 30kW.

3kW ...>>> 30kW



For more about the Fox ESS range of three-phase inverters, visit:
www.fox-ess.com



TECHNICAL SPECIFICATIONS

MODEL	T3 Pro	T4 Pro	T5 Pro	T6 Pro	T8 Pro	T10 Pro	T12 Pro	T15 Pro	T17 Pro	T20 Pro	T23 Pro	T25 Pro	T30 Pro
INPUT (PV)													
Max. PV array power[W]	4500	6000	7500	9000	12000	15000	18000	22500	25500	30000	34500	37500	45000
Max. input power [W]	4500	6000	7500	9000	12000	15000	18000	22500	25500	30000	34500	37500	45000
Max. MPPT input power [kW]	3/3	4/4	5/5	6/6	8/8	10/10	12/12	15/15	17/17	20/20	23/23	25/25	30/30
Max. input voltage [V]	1100 [1]												
Min. input voltage [V]	140 [2]												
Start-up PV voltage [V]	160												
Nominal voltage [V]	600												
MPP voltage range [V]	140 ~ 1000												
MPP voltage range (full load) [V]	140 ~ 850	140 ~ 850	140 ~ 850	160 ~ 850	210 ~ 850	260 ~ 850	310 ~ 850	250 ~ 850	290 ~ 850	330 ~ 850	340 ~ 850	360 ~ 850	380 ~ 850
Max. PV input current [A]	20/20	20/20	20/20	20/20	20/20	20/20	20/20	32/32	32/32	32/32	40/32	40/32	40/40
Max. Isc PV current [A]	26/26	26/26	26/26	26/26	26/26	26/26	26/26	41.6/41.6	41.6/41.6	41.6/41.6	52/41.6	52/41.6	52/52
No. of MPP Trackers	2												
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
Max. inverter backfeed current to the array [mA]	0												
OUTPUT (AC)													
Rated power [W]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000	30000
Rated apparent power [VA]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000	30000
Max. apparent power [VA]	3300	4400	5500	6600	8800	10000	13200	16500	18700	22000	25300	27500	33000
Nominal voltage [V]	400/230; 380/220, 3L/N/PE												
Nominal frequency [Hz]	50/60 , ±5												
Rated output current (Per phase) [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	45.5
Max. AC current (Per phase) [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	47.8
Power factor	1 (Adjustable from 0.8 leading to 0.8 lagging)												
THDi [%] (@rated power)	< 3												
EFFICIENCY													
Max. MPPT efficiency [%]	99.8												
Max. efficiency [%]	98.6												
European efficiency [%]	97.8												
PROTECTION													
PV Reverse Polarity Protection	YES												
Anti-islanding Protection	YES												
Output Short Protection	YES												
Leakage Current Protection	YES												
Insulation resistance detection	YES												
Grid Reverse Connect Protection	YES												
Overcurrent protection	YES												
Overtemperature Protection	YES												
DC/AC Surge Protection	YES [Type II (PV)]/Type II (AC)]												
DC switch	YES												
AFCI Protection	Optional												
GENERAL DATA													
Dimension (W*H*D) [mm]	370*480*183.5												
Dimension of packing (W*H*D) [mm]	454*592*312												
Net weight [kg]	17	17	17	17	17	17	17	20	20	20	20	20	20
Installation	Wall-mounted												
Operating temperature range [°C]	-25 ~ +60 (derating at +45)												
Storage temperature range [°C]	-40 ~ +70												
Humidity [%]	0 ~ 100 (No condensation)												
Altitude [m]	3000												
Protective class	I												
Overvoltage category	III(AC), II(DC)												
Pollution degree	PD3 (PD2 inside)												
Ingress protection	IP65 (For Outdoor Use)												
Standby consumption [W]	<3												
Cooling principle	Natural	Natural	Natural	Natural	Natural	Natural	Natural	FAN	FAN	FAN	FAN	FAN	FAN
Noise emission [dB]	<30	<30	<30	<30	<30	<30	<30	<55	<55	<55	<55	<55	<55
Inverter topology	Non-isolated												
Communication	WIFI / 4G (Optional), RS485 (Optional)												
Display	LCD, APP, Website												
Export limit control	YES												
Button	YES												
Buzzer	NO												

[1] For 1100V system, PV maximum operating voltage is 1020V.
[2]The starting working voltage of the power supply is 140V.