



T 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**

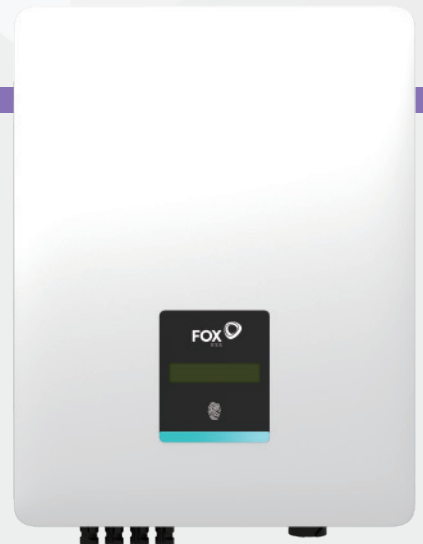
REFINED – POWERFUL – FLEXIBLE

The T 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 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-M	T4-M	T5-M	T6-M	T8-M	T10-M	T12-M	T15-M	T17-M	T20-M	T23-M	T25-M	T30-M
INPUT (PV)													
Max. PV Array Power [W]	6000	8000	10000	12000	16000	20000	24000	30000	34000	40000	46000	50000	60000
Max. Input Voltage [V]							1100 [1]						
Min. Input Voltage [V]							140 [2]						
Start-up Input 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	220 ~ 850	260 ~ 850	295 ~ 850	320 ~ 850	385 ~ 850
Max. PV Input Current [A]	20/20	20/20	20/20	20/20	20/20	20/20	20/20	32/32	40/40	40/40	40/40	40/40	40/40
Max. Isc PV Current [A]	25/25	25/25	25/25	25/25	25/25	25/25	25/25	40/40	50/50	50/50	50/50	50/50	50/50
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
No. of MPP Trackers							2						
OUTPUT (AC)													
Rated Output 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	11000	13200	16500	22000	22000	25300	27500	33000
Nominal Voltage [V]	415/240; 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. Output 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 [%]	<3 @rated power												
EFFICIENCY													
MPPT Efficiency [%]							99.8						
Max. Efficiency [%]							98.6						
European Efficiency [%]							97.8						
PROTECTION													
String Current Monitoring							YES						
DC 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	Type II (DC) / Type II (AC)												
DC Switch							YES						
AFCI Protection							Optional						
GENERAL DATA													
Dimension (W*H*D) [mm]							370*450*183.5						
Dimension of Packing (W*H*D) [mm]							454*592*312						
Net Weight [kg]	16.5	16.5	16.5	16.5	17.5	17.5	17.5	19.5	20.5	20.5	20.5	20.5	22.5
Installation							Wall-mounted						
Operating Temperature Range [°C]							-25 ~ 60 (Derating at 45)						
Storage Temperature [°C]							-40 ~ 70						
Storage/Operation Relative 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 Method	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 Interface	WIFI/4G (Optional), RS485												
Display	LCD, App, Website												

[1] For 1100V system, PV maximum operating voltage is 1020V.

[2] The starting working voltage of the power supply is 140V.