



T SERIES

THREE-PHASE **INVERTER**



...>>> **30kW**



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.



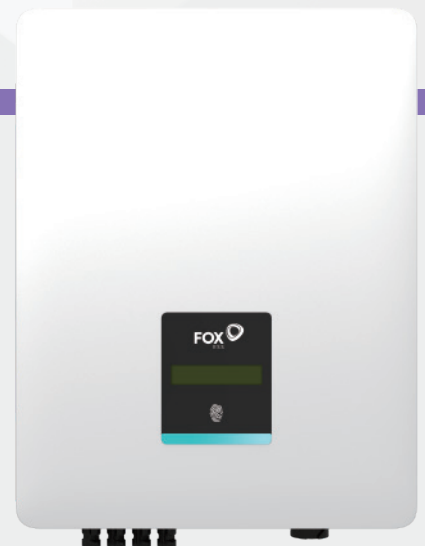
Advanced System Monitoring
with **FoxCloud V2.0**

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.



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



TECHNICAL SPECIFICATIONS

MODEL	T30-M
INPUT (PV)	
Max. PV Array Power [W]	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]	385 ~ 850
Max. PV Input Current [A]	40/40
Max. Isc PV Current [A]	50/50
Strings per MPP Tracker	2+2
No. of MPP Trackers	2
OUTPUT (AC)	
Rated Output Power [W]	30000
Rated Apparent Power [VA]	30000
Max. Apparent Power [VA]	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]	45.5
Max. Output Current (Per Phase) [A]	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	YES
GENERAL DATA	
Dimension (W*H*D) [mm]	370*450*183.5
Dimension of Packing (W*H*D) [mm]	454*592*312
Net Weight [kg]	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	FAN
Noise Emission [dB]	<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.