



T SERIES

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% maximum efficiency.



Upgradeable*

Fully optimised for upgrade to the FoxESS range of battery storage systems.
*Requires additional FoxESS equipment



IP65 Rated

Engineered to last with maximum flexibility. 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



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

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

MODEL	T3	T4	T5	T6	T8	T10	T12	T15	T17	T20	T23	T25
INPUT												
Max. Recommended DC power [W]	4500	6000	7500	9000	12000	15000	18000	22500	25500	30000	34500	37500
Max. DC Voltage [V]	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
Nominal DC Operating Voltage [V]	600	600	600	600	600	600	600	600	600	600	600	600
Max. Input Current (input A/input B) [A]	14/14	14/14	14/14	14/14	14/14	14/14	14/14	28/28	28/28	28/28	28/28	28/28
Max. Short Circuit Current (input A/input B) [A]	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	36.4/36.4	36.4/36.4	36.4/36.4	36.4/36.4	36.4/36.4
MPPT Voltage Range [Vdc]	140-850	140-850	140-850	140-850	140-850	140-850	140-850	140-850	140-850	140-850	140-850	140-850
MPPT Voltage Range (full load) [Vdc]	140-850	150-850	190-850	220-850	290-850	370-850	440-850	270-850	310-850	270-850	460-850	460-850
Start output Voltage [V]	160	160	160	160	160	160	160	160	160	160	160	160
No. of MPP Trackers	2	2	2	2	2	2	2	2	2	2	2	2
Strings per MPP Tracker	1+1	1+1	1+1	1+1	1+1	1+1	1+1	2+1	2+2	2+2	2+2	2+2
OUTPUT												
Nominal AC Power [W]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000
Max. Apparent AC Power [VA]	3300	4400	5500	6600	8800	11000	13200	16500	18700	22000	25300	27500
Rated Grid Voltage (AC Voltage Range) [Vac]	3/N/PE, 220V/380V, 230V/240V 240/415V											
Rated Grid Frequency [Hz]	50/60, ±5											
Nominal AC 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. AC 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
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 (@rated voltage) [%]	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:	YES											
Temperature Protection:	YES											
Integrated DC Switch:	Optional											
STANDARD												
Safety	IEC62109-1/2											
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3/IEC61000-4-2/3/4/5/6/8											
Certification	AS4777.2-2015 / VDE-AR-N 4105 /VDE0126-1-1 /G98 / G99 / EN50549-1/ CEI 0-21/ NB/T32004 IEC62116 /IEC61727 /IEC61683											
GENERAL DATA												
Dimensions (WxHxD) [mm]	480*370*188											
NET Weight [kg]	17						20					
Cooling Concept	Convection						Forced Convection					
Degree of Protection (according to IEC60529)	IP65											
Topology	Transformerless											
Over Voltage Category	III (AC side), II (PV side)											
Noise [dB]	<30						<55					
Operating Temperature Range [°C]	-25..... +60°C (derating at +45°C)											
Storage Temperature Range [°C]	-40..... +70°C											
Altitude	3000											
Humidity	0-100% (no condensation)											
Self Consumption (night) [W]	<3W											
Monitoring Module (optional)	RS485, WIFI (optional) / GPRS (optional) / 4G(optional)											
Communication	Meter, DRM, USB update, E-stop											
Display	LCD screen, Touch Key, App, Website											