



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 10kW.

PRODUCT FEATURES



High Performance

Flexible configuration, wide voltage range, 98.3% maximum efficiency.



Battery Ready

Fully optimised for upgrade to the FoxESS range of battery storage systems.



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.



BATTERY READY EASY UPGRADE



Our three-phase inverters are all battery ready and are optimised for use with FoxESS storage solutions, including the stunning FoxESS ALL-IN-ONE.





Model		T3000	T4000	T5000	T6000	T8000	T10000
INPUT							
Max. Recommended DC power	W	4500	6000	7500	9000	12000	15000
Max. DC voltage	V	1000	1000	1000	1000	1000	1000
Nominal DC operating voltage	V	680	680	680	680	680	680
Max. input current (input A/input B)	A	12.5	12.5	12.5	12.5	12.5	12.5
Max. short circuit current (input A/input B)	A	15	15	15	15	15	15
MPPT voltage range	V	180-850	180-850	180-850	180-850	180-850	180-850
MPPT voltage range (full load)	V	120-850	160-850	200-850	240-850	320-850	400-850
Start-up voltage	V	160	160	160	160	160	160
No. of MPP trackers		2	2	2	2	2	2
Strings per MPP tracker		1					
OUTPUT							
Nominal AC power	W	3000	4000	5000	6000	8000	10000
Max. apparent AC power	VA	3300	4400	5500	6600	8800	11000
Rated grid voltage (AC voltage range)		400 Vac, 340-440V					
Rated grid frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
Nominal AC current	A	4.3	5.8	7.3	8.7	11.6	14.5
Max. AC current	A	4.8	6.4	8	9.6	12.8	16
Displacement power factor		1 (Adjustable from 0.8 leading to 0.8 lagging)					
Total harmonic distortion (THDi, Norminal output)		<3%	<3%	<3%	<3%	<3%	<3%
EFFICIENCY							
MPPT efficiency		99.50%	99.50%	99.50%	99.50%	99.50%	99.50%
Euro-efficiency		97.20%	97.30%	97.40%	97.40%	97.60%	97.60%
Max. efficiency		98.10%	98.10%	98.20%	98.20%	98.30%	98.30%
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 (Type II Optional)					
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 / IEC 61000-6-4					
Certification		AS4777.2 / VDE-AR-N 4105 / G98 / G99 / EN50549/ CEI 0-21					
GENERAL DATA							
Dimensions (WxHxD)	mm	354*433*147	354*433*147	354*433*155	354*433*155	354*433*155	354*433*155
Weight	kg	15	15	16	16	18	18
Cooling concept		Natural					
Degree of protection (according to IEC60529)		IP65					
Topology		Transformerless					
Over Voltage category		PV: OVC II, AC Mains: OVC III					
Noise emission (typical)	dB	<30					
Operating temperature range	°C	-20..... +60°C (derating at +45°C)					
Storage temperature range	°C	-40..... +70°C					
Humidity		0-95%(No condensation)					
Self consumption (night)	W	<1					
Monitoring module (optional)		External WIFI/GPRS (optional)					
Communication		DRM, USB update, RS485					
Display		LCD screen, App, Web site					

