



E SERIES

SINGLE-PHASE **INVERTER**



HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 97.6% 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



Fox ESS offers a range of dual MPPT single-phase inverter offering unparalleled efficiency and performance. Our range starts with the E3000 – small and compact and with an ultra-low start-up voltage that will ensure you harvest the most energy possible from your solar panels.

3kW ...>>> 6kW



For more about the Fox ESS range of single-phase inverters, visit:

www.fox-ess.com

TECHNICAL SPECIFICATIONS

MODEL	E3000-S	E3300-S	E3600-S	E4000-S	E4600-S	E5000-S	E5300-S	E6000-S
INPUT(PV)								
Max. Recommended DC Power [W]	6000	6600	7200	8000	9000	9000	9000	9000
Max. DC Voltage [V]	600							
Nominal DC Operating Voltage [V]	360							
Max. Input Current [A]	20							
Max. Short-Circuit Current [A]	26							
MPPT Voltage Range [V]	50 ~ 550							
MPPT Voltage Range (Full Load) [V]	180 ~ 550	200 ~ 550	220 ~ 550	240 ~ 550	275 ~ 550	300 ~ 550	320 ~ 550	360 ~ 550
Start-up Voltage [V]	60							
No. of MPP Trackers	1							
Strings per MPP Tracker	1							
INPUT(AC)								
Nominal AC Power [w]	3000	3300	3600	4000	4600	5000	5300	6000
Max. AC Apparent Power [VA]	3300	3630	3960	4400	5060	5500	5830	6000
Rated Grid Voltage (AC Voltage Range) [Vac]	220/230/240							
Rated Grid Frequency [Hz]	50/60							
Nominal AC Current [A]	13.0	14.3	15.7	17.4	20.0	21.7	23.0	26.1
Max. AC Current [A]	14.3	15.8	17.2	19.1	22.0	23.9	25.3	26.1
Displacement Power Factor	1 (0.8 leading ~ 0.8 lagging)							
Total Harmonic Distortion (THDi, Nominal Output) [%]	<3							
EFFICIENCY								
MPPT Efficiency [%]	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
European Efficiency [%]	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8
Max. Efficiency [%]	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8
PROTECTION								
DC Reverse-Polarity Protection	YES							
Anti-islanding Protection	YES							
Insulation Monitoring	YES							
Residual-Current Monitoring	YES							
AC Short-Circuit Protection	YES							
AC Output Overcurrent Protection	YES							
AC Output Overvoltage Protection	YES							
Surge Protection	DC/AC : Type II (Optional)							
Temperature Protection	YES							
AFCI Protection	Optional							
Integrated DC Switch	Optional							
GENERAL DATA								
Dimensions (W*H*D) [mm]	304*222*138							
Weight [kg]	7.6							
Cooling Method	Natural Convection							
Topology	Non-isolated							
Noise Emission (Typical) [dB]	<35							
Max. Operating Altitude [m]	3000 (>2000 Derating)							
Operating Temperature Range [°C]	-25 ~ 60							
Humidity [%]	0 ~ 100 (No Condensation)							
Ingress Protection	IP65							
Internal Consumption at Night [W]	<1							
Monitoring Module: WIFI / GPRS	Optional							
Communication	RS485, Meter/CT, ISO alarm							
Display	LCD, Touch Key, App, Website							
STANDARD								
Safety	IEC 62109-1/2							
EMC	IEC 61000-6-1; IEC 61000-6-2; IEC 61000-6-3							
Certification	EN 50549; C10/11; IEC 61727; ABNT NBR 16149/16150; IEC62116							