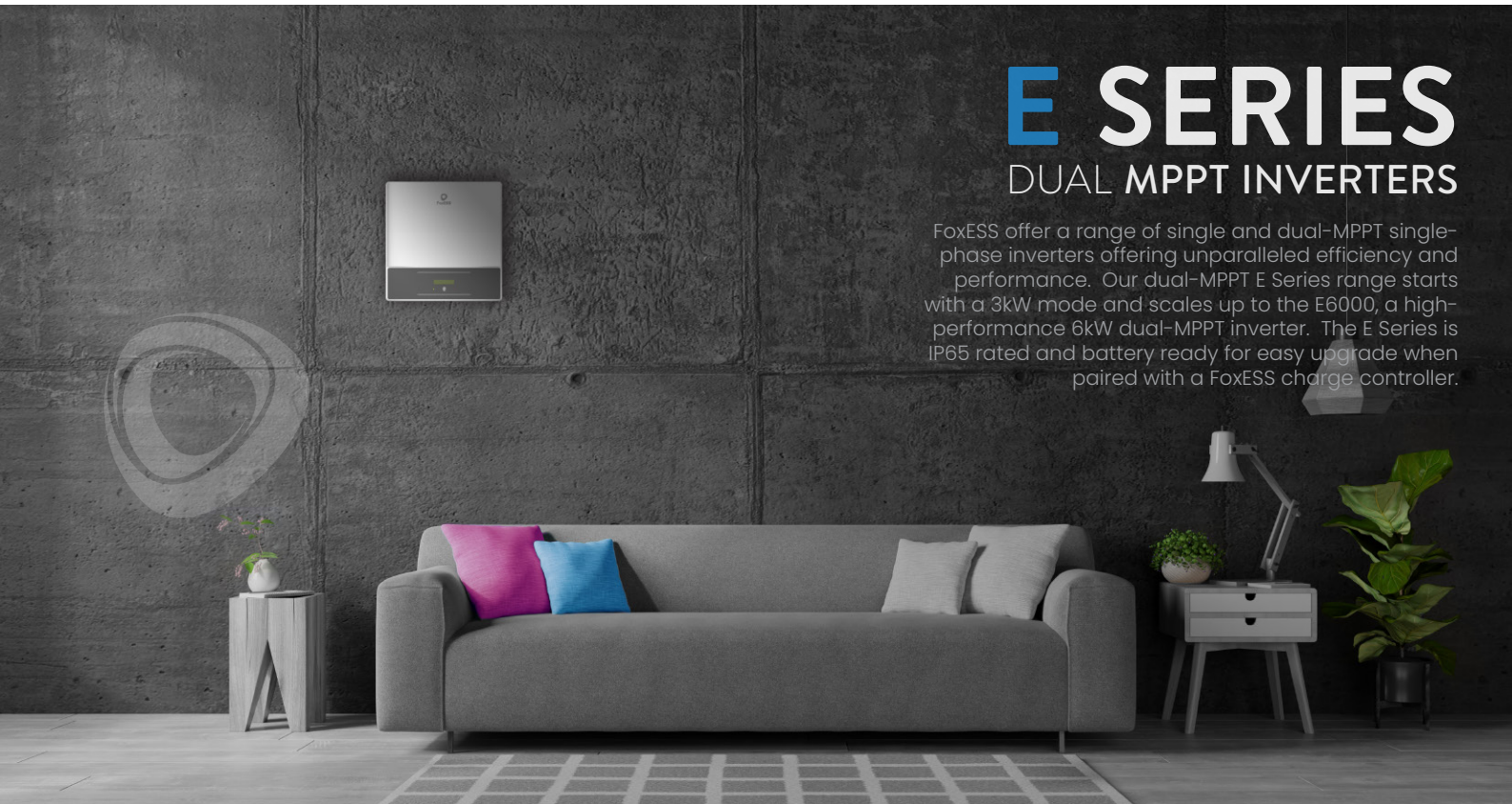


E SERIES

DUAL MPPT INVERTERS

FoxESS offer a range of single and dual-MPPT single-phase inverters offering unparalleled efficiency and performance. Our dual-MPPT E Series range starts with a 3kW mode and scales up to the E6000, a high-performance 6kW dual-MPPT inverter. The E Series is IP65 rated and battery ready for easy upgrade when paired with a FoxESS charge controller.



High Performance

Low start-up voltage, wide voltage range, 97.4% 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 E SERIES



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

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

Model	E3000	E3600	E4600	E5000	E6000
INPUT					
PV					
Max. Recommended DC Power [W]	3900	4680	5980	6500	7800
Max. DC Voltage [V]	600	600	600	600	600
Nominal DC Operating Voltage [V]	360	360	360	360	360
Max. Input Current (input A/input B) [A]				12.5/12.5	
Max. Short Circuit Current (input A/input B) [A]				15/15	
MPPT Voltage Range [Vdc]	80-550	80-550	80-550	80-550	80-550
Start-up Voltage [V]	120	120	120	120	120
No. of MPP Trackers	2	2	2	2	2
Strings Per MPP Tracker	1	1	1	1	1
OUTPUT					
AC					
Nominal AC Power [W]	3000	3600	4600	5000	6000
Max. Apparent AC Power [VA]	3300	3960	5060	5500	6000
Rated Grid Voltage [Vac]				220/230/240	
Rated Grid Frequency [Hz]				50/60, ±5	
Nominal AC Current [A]	13.0	15.7	20.0	21.7	26.1
Max. AC Current [A]	14.3	17.2	22.0	23.9	26.1
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
Total Harmonic Distortion (THDi, Nominal output)	<3%	<3%	<3%	<3%	<3%
EFFICIENCY					
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	96.80%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.40%	97.40%	97.40%	97.40%	97.40%
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	
Certification				AS4777/VDE-AR-N 4105/G98/G99/EN50549/CEI 0-21	
GENERAL DATA					
Dimensions (WxHxD) [mm]				360*370*128	
Net Weight [kg]				13.5	
Cooling Concept				Natural	
Degree of Protection (according to IEC60529)				IP65	
Topology				Transformerless	
Over Voltage Category				III (AC side), II (PV side)	
Noise Emission (typical) [dB]				<30	
Operating Temperature Range				-20..... +60°C (derating at +45°C)	
Storage Temperature Range				-40..... +70°C	
Humidity				0-100% (no condensation)	
Self Consumption (night) [W]				<1W	
Monitoring Module (optional)				External WIFI/Lan/GPRS (optional)	
Communication				Meter, CT, DRM, USB update, ISO alarm (internal)	
Display				LCD screen, Touch Key, App, Web site	