

S SERIES

SINGLE MPPT INVERTERS

REFINED – POWERFUL – FLEXIBLE

FoxESS offer a range of single MPPT single-phase inverters offering unparalleled efficiency and performance. Our range starts with the S700 – small and compact and with an ultra-low start-up voltage that will ensure you harvest the most energy possible from your solar panels.



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 S SERIES



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

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

Model	S700	S1000	S1500	S2000	S2500	S3000
INPUT						
PV						
Max. Recommended DC Power [W]	910	1300	1950	2600	3250	3900
Max.DC Voltage [V]	500	500	500	500	550	550
Nominal DC Operating Voltage [V]	360	360	360	360	360	360
Max. Input Current [A]	12.5	12.5	12.5	12.5	12.5	12.5
Max. Short Circuit Current [A]	15	15	15	15	15	15
MPPT Voltage Range [Vdc]	50-500 Vdc	50-500 Vdc	50-500 Vdc	50-500 Vdc	50-550 Vdc	50-550 Vdc
Start-up Voltage [V]	60	60	60	60	60	60
No. of MPP Trackers	1	1	1	1	1	1
Strings Per MPP Tracker	1	1	1	1	1	1
OUTPUT						
AC						
Nominal AC Power [W]	700	1000	1500	2000	2500	3000
Max. Apparent AC Power [VA]	800	1100	1650	2200	2750	3300
Rated Grid Voltage [Vac]	220/230/240					
Rated Grid Frequency [Hz]	50/60					
Nominal AC Current [A]	3.0	4.3	6.5	8.7	10.9	13.0
Max. AC Current [A]	3.5	4.8	7.2	9.6	12.0	14.3
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)					
Total Harmonic Distortion (THDi, Nominal output)	<3%	<3%	<3%	<3%	<3%	<3%
EFFICIENCY						
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	96.50%	96.50%	96.50%	96.80%	96.80%	96.80%
Max. Efficiency	97.20%	97.20%	97.30%	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				IEC 62109-1/2		
EMC				IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3		
Certification				AS4777.2-2015/G98-1/G99-1/EN50549-1/CEI 0-21		
GENERAL DATA						
Dimensions (WxHxD) [mm]				334*350*115		
Weight [kg]				7.8		
Cooling Concept				Natural		
Topology				Transformerless		
Ingress Protection (according to IEC60529)				IP65		
Over Voltage Category				III (AC side), II (PV side)		
Noise Emission (typical) [dB]				<30		
Max. Operating Altitude [m]				3000 (derating when>2000)		
Operating Temperature Range				-20..... +60°C (derating at +45°C)		
Humidity				0-100% (No condensation)		
Self Consumption (night) [W]				<1		
Monitoring Module (optional)				External WIFI/Lan/GPRS (optional)		
Communication				Meter, CT, DRM, ISO alarm		
Display				LCD screen, Touch Key, App, Website		