

# 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](http://WWW.FOX-ESS.COM)



## TECHNICAL SPECIFICATIONS

Model	S700	S1000	S1500	S2000	S2500	S3000	S3300
<b>INPUT</b>							
<b>PV</b>							
Max. Recommended DC Power [W]	1050	1500	2250	3000	3750	4500	4950
Max. DC Voltage [V]	500	500	500	500	550	550	550
Nominal DC Operating Voltage [V]	360	360	360	360	360	360	360
Max. Input Current [A]	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Max. Short Circuit Current [A]	15	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	50-550 Vdc
Start-up Voltage [V]	60	60	60	60	60	60	60
No. of MPP Trackers	1	1	1	1	1	1	1
Strings Per MPP Tracker	1	1	1	1	1	1	1
<b>OUTPUT</b>							
<b>AC</b>							
Nominal AC Power [W]	700	1000	1500	2000	2500	3000	3300
Max. Apparent AC Power [VA]	800	1100	1650	2200	2750	3300	3300
Rated Grid Voltage [Vac]	220/230/240; 180-260						
Rated Grid Frequency [Hz]	50/60						
Nominal AC Current [A]	3.0	4.3	6.5	8.7	10.9	13.0	14.3
Max. AC Current [A]	3.5	4.8	7.2	9.6	12.0	14.3	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%	<3%
<b>EFFICIENCY</b>							
MPPT Efficiency	99.00%	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%	96.80%
Max. Efficiency	97.20%	97.20%	97.30%	97.40%	97.40%	97.40%	97.40%
<b>PROTECTION</b>							
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			
<b>STANDARD</b>							
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			
<b>GENERAL DATA</b>							
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, RS 485			
Display				LCD screen, Touch Key, App, Website			