

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 | S3300* |
|--|--|------------|------------|--|------------|------------|------------|
| INPUT | | | | | | | |
| PV | | | | | | | |
| 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 |
| OUTPUT | | | | | | | |
| AC | | | | | | | |
| 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% |
| EFFICIENCY | | | | | | | |
| 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% |
| 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, RS 485 | | | |
| Display | | | | LCD screen, Touch Key, App, Website | | | |

*India and Poland markets only.