

S SERIES (G2)

SINGLE MPPT INVERTERS

REFINED – POWERFUL – FLEXIBLE

Fox 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 FOX range of battery storage system

*Requires additional FOX equipment



IP65 Rated

Engineered to last with maximum suitability 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 (G2)



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

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

| Model | S700-G2 | S1000-G2 | S1500-G2 | S2000-G2 | S2500-G2 | S3000-G2 | S3300-G2 |
|--|--|----------|----------|---|----------|----------|----------|
| INPUT | | | | | | | |
| PV | | | | | | | |
| Max. Recommended DC Power [W] | 1050 | 1500 | 2250 | 3000 | 3750 | 4500 | 4950 |
| Max. DC Voltage [V] | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| Nominal DC Operating Voltage [V] | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| Max. Input Current [A] | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Max. Short Circuit Current [A] | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| MPPT Voltage Range [Vdc] | 50-480 | 50-480 | 50-480 | 50-480 | 50-480 | 50-480 | 50-480 |
| 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] | 700 | 1000 | 1500 | 2000 | 2500 | 3000 | 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 | 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 | | | | Type II(DC) / Type II (AC) | | | |
| Temperature Protection | | | | YES | | | |
| Integrated DC Switch | | | | YES | | | |
| AFCI Protection | | | | Optional (Available in 2022 Q2) | | | |
| 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 | | | |
| GENERAL DATA | | | | | | | |
| Dimensions (WxHxD) [mm] | | | | 290*220*116 | | | |
| Weight [kg] | | | | 5.4 | | | |
| 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 | | | |
| Operating Temperature Range [°C] | | | | -25..... +60 (derating at +45) | | | |
| Storage Temperature Range [°C] | | | | -40..... +70 | | | |
| Humidity | | | | 0-100% (Transformerless) | | | |
| Self Consumption (night) [W] | | | | <1 | | | |
| Monitoring Module (optional) | | | | External WIFI/GPRS(optional) | | | |
| Communication | | | | RS485, Meter, CT, ISO alarm | | | |
| Display | | | | LCD screen, Touch Key, App, Website | | | |