

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. Input Power[W] | 1050 | 1500 | 2250 | 3000 | 3750 | 4500 | 4950 |
| Max. Input Voltage[V] | 500 | | | | | | |
| Start-up Input Voltage[V] | 60 | | | | | | |
| Rated Input Voltage[V] | 360 | | | | | | |
| MPPT Operating Voltage Range[V] | 50-480 | | | | | | |
| Max. Input Current[A] | 14 | | | | | | |
| Max. Short-circuit Current[A] | 18 | | | | | | |
| No. of Independent MPP Trackers | 1 | | | | | | |
| No. of Strings per MPP Tracker | 1 | | | | | | |
| OUTPUT | | | | | | | |
| AC | | | | | | | |
| Rated Output Power[W] | 700 | 1000 | 1500 | 2000 | 2500 | 3000 | 3300 |
| Max. Output Apparent Power[VA] | 800 | 1100 | 1650 | 2200 | 2750 | 3300 | 3300 |
| Rated Grid Voltage[V] | 220/230/240 | | | | | | |
| Rated Grid Frequency[Hz] | 50/60 | | | | | | |
| Rated Output Current[A] | 3.0 | 4.3 | 6.5 | 8.7 | 10.9 | 13.0 | 14.3 |
| Max. Output Current[A] | 3.5 | 4.8 | 7.2 | 9.6 | 12.0 | 14.3 | 14.3 |
| Power Factor | 1 (Adjustable from 0.8 leading to 0.8 lagging) | | | | | | |
| Total Harmonic Distortion (THDi) | <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 | | | | | | | |
| Insulation Monitoring | YES | | | | | | |
| Residual Current Monitoring | YES | | | | | | |
| DC Reverse Polarity Protection | YES | | | | | | |
| Anti-islanding Protection | YES | | | | | | |
| AC Short-circuit Protection | YES | | | | | | |
| AC Overcurrent Protection | YES | | | | | | |
| AC Overvoltage Protection | YES | | | | | | |
| Surge Protection | Optional (DC/AC: Type II) | | | | | | |
| DC Switch | Optional | | | | | | |
| AFCI | Optional (Available in Q2,2022) | | | | | | |
| GENERAL DATA | | | | | | | |
| Dimensions (WxHxD)[mm] | 290*220*116 | | | | | | |
| Weight[kg] | 5.4 | | | | | | |
| Cooling Method | Natural Convection | | | | | | |
| Topology | Transformerless | | | | | | |
| Noise Emission (typical)[dB] | <30 | | | | | | |
| Max. Operating Altitude[m] | 3000 | | | | | | |
| Operating Temperature Range[°C] | -25 ~ 60 | | | | | | |
| Humidity | 0 ~ 100% (No Condensation) | | | | | | |
| Protection Degree | IP65 | | | | | | |
| Internal Consumption at Night[W] | <1 | | | | | | |
| Monitoring Module | WIFI / 4G (Optional) | | | | | | |
| Communication | RS485, Meter / CT, ISO Alarm | | | | | | |
| Display | LCD, Touch Key, App, Website | | | | | | |
| STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) | | | | | | | |
| Safety | EN 62109-1/2, IEC 62109-2, BIS IS 16169, BIS IS 16221-2 | | | | | | |
| EMC | EN 61000-6-3, EN IEC 61000-3-2/3, EN IEC 61000-6-1/2/4 | | | | | | |
| Grid Regulation | ABNT NBR 16149, ABNT NBR 16150, C10/11, EN 50549-1, PN EN-50549-1, VDE V 0126-1-1, RD 1699, IEC 61727, IEC 62116, IEC 61683, IEC 60068-2-1/2/14/30/64, G98 | | | | | | |