

# 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-G2 – 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



#### Easy Installation

Flexible configuration, plug and play set-up.



#### 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.



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

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



## TECHNICAL SPECIFICATIONS

Model	S700-G2	S1000-G2	S1500-G2	S2000-G2	S2500-G2	S3000-G2	S3300-G2
<b>INPUT</b>							
<b>PV</b>							
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						
<b>OUTPUT</b>							
<b>AC</b>							
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						
<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>							
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						
<b>GENERAL DATA</b>							
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						
<b>STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)</b>							
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						