

S SERIES (G2)

SINGLE MPPT INVERTERS

REFINED – POWERFUL – FLEXIBLE

Fox ESS 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 Fox ESS 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						
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						
GENERAL DATA							
Dimensions (WxHxD)[mm]	290*220*116						
Weight[kg]	5.4						
Cooling Method	Natural Convection						
Topology	Non-isolated						
Noise Emission (typical)[dB]	<30						
Max. Operating Altitude[m]	3000						
Operating Temperature Range[°C]	-25 ~ 60						
Humidity [%]	0 ~ 100 (No Condensation)						
Ingress Protection	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 62109-1:2010, EN 62109-2:2011						
EMC	EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019, EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021						
Grid Regulation	ABNT NBR 16149, ABNT NBR 16150, C10/11, EN 50549-1, PN EN-50549-1, VDE V 0126-1-1, IEC 61727, IEC 62116, IEC 61683, IEC 60068-2-1/2/14/30/64, G98						