



S SERIES (G2)

SINGLE-PHASE INVERTER



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.



Advanced System Monitoring
with **FoxCloud V2.0**

REFINED – POWERFUL – FLEXIBLE

Fox ESS offers 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.

0.7kW ...>>> 3.3kW



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 MPP Trackers				1			
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)			
THDi [%]				<3			
EFFICIENCY							
MPPT Efficiency [%]	99.00	99.00	99.00	99.00	99.00	99.00	99.00
European 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 (W*H*D) [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			