



S SERIES(G3)

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-G3 – 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-G3	S1000-G3	S1500-G3	S2000-G3	S2500-G3	S3000-G3	S3300-G3
INPUT (PV)							
Max. Recommended DC Power [w]	1050	1500	2250	3000	3750	4500	5400
Max. DC Voltage [V]				500			
Nominal DC Operating Voltage [V]				360			
Max. Input Current [A]				20			
Max. Short Circuit Current [A]				26			
MPPT Voltage Range [V]				50 ~ 480			
MPPT Voltage Range (Full Load) [V]	80 ~ 450	110 ~ 450	160 ~ 450	210 ~ 450	240 ~ 450	280 ~ 450	300 ~ 450
Start-up Voltage [V]				60			
No. of MPP Trackers				1			
Strings per MPP Tracker				1			
OUTPUT (AC)							
Nominal AC Power [w]	700	1000	1500	2000	2500	3000	3300
Max. AC Apparent Power [VA]	800	1100	1650	2200	2750	3300	4000
Rated Grid Voltage (AC Voltage Range) [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	17.4
Displacement Power Factor				1 (0.8 leading ~ 0.8 lagging)			
THDi (Nominal Output) [%]				<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							
DC Reverse-polarity Protection				YES			
Anti-islanding Protection				YES			
Insulation Monitoring				YES			
Residual-current Monitoring				YES			
AC Short-circuit Protection				YES			
AC Output Overcurrent Protection				YES			
AC Output Overvoltage Protection				III (AC) , II (PV)			
Surge Protection				DC/AC : Type II (Optional)			
Temperature Protection				YES			
AFCI Protection				Optional			
Integrated DC Switch				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 m (>2000m Derating)			
Operating Temperature Range [°C]				-25 ~ 60			
Humidity [%]				0 ~ 100 (No Condensation)			
Ingress Protection				IP65			
Internal Consumption at Night [W]				<1			
Monitoring Module: WIFI / GPRS				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				
Certification			IEC 61727, IEC 62116, IEC 61683, IEC 60068-2-1/2/14/30/64				