DATASHEET

FOX ESS

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						