FOX ESS

DATASHEET

Single-Phase S Series (G2)

S700-G2 / 1000-G2 / 1500-G2 / 2000-G2 / 2500-G2 / 3000-G2 / 3300-G2

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 - 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% maxium effiency

Upgradeable*

Fully optimised for upgrade to the FOX range of battery storage system

*Requires additional FOX equipment

IP65 Rated

Engineered to tast with maximum 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.



THE S SERIES (G2)



For more about the FoxESS 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%	<3%	<3%	<3%	<3%	<3%	<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 (Available in Q2,2022)			
GENERAL DATA							
Demensions (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			
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						