



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% maximum efficiency



Upgradeable*

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

*Requires additional FOX equipment



IP65 Rated

Engineered to last with maximum suitability for outdoor installation

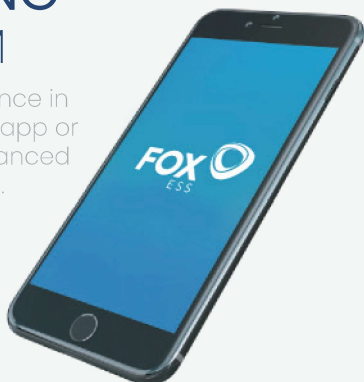


Remote Monitoring

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							
Dimensions (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			
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			
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			

F SERIES (G2)

DUAL MPPT INVERTERS

FoxESS offer a range of single and dual-MPPT single-phase inverters offering unparalleled efficiency and performance. Our dual-MPPT F Series (G2) range includes 3.0 – 6.0kW models. The F Series (G2) is IP65 rated and battery ready for easy upgrade when paired with a FoxESS charge controller.



High Performance

Low start-up voltage, wide voltage range, 97.4% maximum efficiency



Upgradeable*

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

*Requires additional FOX equipment



IP65 Rated

Engineered to last with maximum suitability for outdoor installation

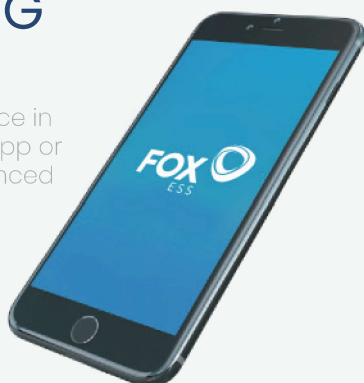


Remote Monitoring

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 F SERIES (G2)



For more about the FoxESS range of single-phase inverters, visit:

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

Model	F3000-G2	F3600-G2	F4600-G2	F5000-G2	F5300-G2	F6000-G2
INPUT						
PV						
Max. Input Power[W]	4500	5400	6900	7500	7950	9000
Max. Input Voltage[V]	600	600	600	600	600	600
Start-up Input Voltage[V]	120	120	120	120	120	120
Rated Input Voltage[V]	360	360	360	360	360	360
MPPT Operating Voltage Range[V]	80-550					
Max. Input Current[A]	14					
Max. Short-circuit Current[A]	18					
No. of Independent MPP Trackers	2					
No. of Strings per MPP Tracker	1					
OUTPUT						
AC						
Rated Output Power[W]	3000	3600	4600	5000	5300	6000
Max. Output Apparent Power[VA]	3300	3960	5060	5500	5830	6000
Rated Grid Voltage[Vac]	220/ 230/ 240					
Rated Grid Frequency[Hz]	50/ 60					
Rated Output Current[A]	13.0	15.7	20.0	21.7	23.0	26.1
Max. Output Current[A]	14.3	17.2	22.0	23.9	25.3	26.1
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%
Euro-efficiency	96.80%	96.80%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.40%	97.40%	97.40%	97.40%	97.40%	97.40%
PROTECTION						
Insulation Monitoring	YES					
Residual Current Monitoring	YES					
PV String Current Monitoring	NO					
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	NO					
GENERAL DATA						
Demensions (WxHxD) (mm)	402*476.5*148					
Weight (kg)	15.5					
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	LAN/ WIFI / GPRS / 4G (Optional)					
Communication	RS485, Meter / CT, DRM					
Display	LCD, Touch Key, App, Website					
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)						
Safety	EN/IEC 62109-1/2					
EMC	EN 61000-6-1/2/3/4					
Grid Regulation	AS/NZS-4777.2, CEI 0-21					



DATASHEET

Single-Phase Hybrid/AC Inverter

HI-3.0-E / 3.7 / 4.6 / 5.0 / 6.0
ACI-3.0-E / 3.7 / 4.6 / 5.0 / 6.0

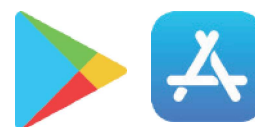


FOX

HYBRID/AC INVERTER

Harness the power of the sun day and night with the ground-breaking range of Hybrid & AC inverters from FOX.

Full of advanced features and compatible with our very own range of high-voltage batteries, the hybrid range from FOX. is a new class of Inverter.



FOX storage solutions are available with advanced and intuitive app based remote control and monitoring functionality.



Easy Installation

Flexible configuration, plug and play set-up, built-in fuse protection.



High Voltage

Connects to high-voltage batteries for maximum round-trip efficiency.



IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation.



Remote Monitoring

Monitor your system remotely via smartphone app or web portal.



up to
6kW
charge/
discharge

REFINED – POWERFUL – FLEXIBLE

BATTERY EXPANSION EASY UPGRADE



Expand your system easily by simply adding additional batteries. There are six battery size options, and Max. seven batteries can be installed in series, providing up to 18.2kWh of storage capacity.

For more about the FOX range, visit:

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

Model	H1-3.0-E AC1-3.0-E	H1-3.7-E AC1-3.7-E	H1-4.6-E AC1-4.6-E	H1-5.0-E AC1-5.0-E	H1-6.0-E AC1-6.0-E
INPUT PV (ONLY FOR HYBRID)					
Max. Input Power [W]	3900	4680	5980	6500	7800
Max. Input Voltage [V]			600		
Start-up Input Voltage [V]			75		
Rated Input Voltage [V]			360		
MPPT Operating Voltage Range [V]			80-550		
Max. Input Current [A]			13.5/13.5		
Max. Short-circuit Current [A]			15/15		
No. of Independent MPP Trackers	2	2	2	2	2
No. of Strings per MPP Tracker	1	1	1	1	1
BATTERY CONNECTION					
Battery Type	Lithium Battery (LFP)				
Battery Voltage [V]	85-450				
Max. Charge/Discharge Current [A]	40				
Communication Interface	CAN(Communicate With Inverter), RS485 (Upgrade BMS)				
AC INPUT AND OUTPUT (GRID)					
Max. AC Input Power [VA]	7000	7680	9600	10000	12000
Max. AC Input Current (per phase) [A]	31.8	34.9	43.6	45.5	54.5
Rated Output Power [W]	3000	3680	4600	5000	6000
Max. Output Apparent Power [VA]	3300	4048	5060	5500	6600
Rated Output Current (per phase) [A]	13.0	16.0	20.0	21.7	26.1
Max. Output Current [A]	14.3	17.6	22.0	23.9	28.7
Rated Grid Voltage [V]	220/230/240				
Rated Grid Frequency [Hz]	50/60				
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
THDi	<3% @rated power				
EPS OUTPUT (WITH BATTERY)					
Max. Output Apparent Power [VA]	5000	5000	6000	6000	6000
Peak Output Apparent Power (60s) [VA]	6000	6000	7200	7200	7200
Max. Current (per phase) [A]	21.7	21.7	26.1	26.1	26.1
Rated Output Voltage [V]	220/230/240				
Rated Output Frequency [Hz]	50/60				
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
THDv (linear Load)	<2% @rated power				
Switch time [ms]	<20				
EFFICIENCY					
Euro Efficiency	97.00%	97.00%	97.00%	97.00%	97.00%
Max. Efficiency	97.80%	97.80%	97.80%	97.80%	97.80%
Max. Battery Charge Efficiency (PV to BAT) (@full load)	98.50%	98.50%	98.50%	98.50%	98.50%
Max. Battery Discharge Efficiency (BAT to AC) (@full load)	97.00%	97.00%	97.00%	97.00%	97.00%
PROTECTION					
Insulation Monitoring	YES				
Residual Current Monitoring	YES				
DC Reverse Polarity Protection	YES				
Anti-islanding Protection	YES				
AC Short-circuit Protection	YES				
AC Overcurrent/Overvoltage Protection	YES				
DC Switch	YES				
SPD	DC: Type II, /AC: Type III				
GENERAL DATA					
Demensions (WxHxD) [mm]	430*410*178				
Weight [kg]	23				
Installation	Wall-Mounted				
Topology	Transformerless				
Cooling Method	Natural				
Noise Emission [dB]	35				
Max. Operating Altitude [m]	2000				
Operating Temperature Range [°C]	-25 to 60				
Humidity (No Condensation)	0% to 100%				
Protection Degree	IP65				
Standby consumption[W]	< 10				
Monitoring Module	WiFi, LAN, 4G, GPRS (Optional)				
Communication	2*RS485, DRM, Ripple Control, USB				
Display	LCD, App, Website				
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)					
Safety	EN 62109-1, EN 62109-2				
EMC	EN 61000-6-2, EN 61000-6-3				
Grid Regulation	EN50549-1, C10 / 11, VDE-AR-N 4105, G98, G99, CEI 0-21, NRS 097-2-1, AS / NZS 4777.2				

* More technical characteristics are available on demand and customized.