

F SERIES (G2)

DUAL MPPT INVERTERS



Fox ESS 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 – 5.0kW 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



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.

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-B	F5000-G2-B
INPUT				
PV				
Max. Input Power[W]	4500	5400	6900	7500
Max./Min.Input Voltage[V]	600/80	600/80	600/80	600/80
Start-up Input Voltage[V]	120	120	120	120
Rated Input Voltage[V]	360	360	360	360
MPPT Operating Voltage Range[V]			80 ~ 550	
Max. Input Current[A]			14/14	
Max. Short-circuit Current [A]			18/18	
No. of Independent MPP Trackers			2	
No. of Strings per MPP Tracker			1	
OUTPUT				
AC				
Rated Output Apparent Power[VA]	3000	3600	4600	5000
Max. Output Apparent Power[VA]	3300	3960	4600	5000
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
Max. Output Current[A]	14.3	17.2	20.0	21.7
Power Factor			1 (Adjustable from 0.8 leading to 0.8 lagging)	
Total Harmonic Distortion (THDi) [%]			<3	
EFFICIENCY				
MPPT Efficiency [%]			99.00	
Euro-efficiency [%]			96.80	
Max. Efficiency [%]			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				
Dimensions (WxHxD) [mm]			402*453*148	
Weight [kg]			15.5	
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 / GPRS / 4G (Optional)	
Communication			RS485, Meter / CT, DRM	
Display			LCD, Touch Key, App, Website	
Country Of Manufacture			China	
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)				
Safety			EN/IEC 62109-1/2	
EMC			EN 61000-6-1/2/3/4	
Grid Regulation			C10/11	