

# 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](http://WWW.FOX-ESS.COM)



# TECHNICAL SPECIFICATIONS

Model	F3000-G2	F3600-G2	F4600-G2-B	F5000-G2-B
<b>INPUT</b>				
<b>PV</b>				
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	
<b>OUTPUT</b>				
<b>AC</b>				
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	
<b>EFFICIENCY</b>				
MPPT Efficiency [%]			99.00	
Euro-efficiency [%]			96.80	
Max. Efficiency [%]			97.40	
<b>PROTECTION</b>				
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	
<b>GENERAL DATA</b>				
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	
<b>STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)</b>				
Safety			EN/IEC 62109-1/2	
EMC			EN 61000-6-1/2/3/4	
Grid Regulation			C10/11	