

# F SERIES (G2)

## DUAL MPPT INVERTERS



### 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.



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For more about the Fox ESS 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
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			
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			
GENERAL DATA				
Dimensions (W*H*D) [mm]	402*453*148			
Weight [kg]	14.8			
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			