

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 – 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



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	F5000-G2
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			
Max. Short-circuit Current [A]	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	5060	5500
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	22.0	23.9
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	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			
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	AS/NZS-4777.2, CEI 0-21			