

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



# TECHNICAL SPECIFICATIONS

Model	F3000-G2	F3600-G2	F4600-G2	F5000-G2	F5300-G2	F6000-G2
<b>INPUT</b>						
<b>PV</b>						
Max. Input Power[W]	4500	5400	6900	7500	7950	9000
Max./Min.Input Voltage[V]	600/80	600/80	600/80	600/80	600/80	600/80
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					
<b>OUTPUT</b>						
<b>AC</b>						
Rated Output Apparent Power[VA]	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%					
<b>EFFICIENCY</b>						
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%
<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	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					
<b>STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)</b>						
Safety	EN/IEC 62109-1/2					
EMC	EN 61000-6-1/2/3/4					
Grid Regulation	AS/NZS-4777.2, CEI 0-21					