



# F SERIES (G2)

SINGLE-PHASE **INVERTER**



## 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.



Advanced System Monitoring  
with **FoxCloud V2.0**

## REFINED – POWERFUL – FLEXIBLE

Fox ESS offers a range of single and dual-MPPT single-phase inverter offering unparalleled efficiency and performance. Our dual-MPPT F Series(G2) range includes 3 - 6kW models. The F Series(G2) is IP65 rated and battery ready for easy upgrade when paired with a Fox ESS charge controller.

3kW ...>> 6kW



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	F5000-G2	F5300-G2	F6000-G2
<b>INPUT(PV)</b>						
Max. Input Power [W]	4500	5400	6900	7500	7950	9000
Max./Min. Input Voltage [V]	600/80					
Start-up Input Voltage [V]	120					
Rated Input Voltage [V]	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(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					
Euro-efficiency [%]	96.80					
Max. Efficiency [%]	97.40					
<b>PROTECTION</b>						
Insulation Monitoring	YES					
Residual Current Monitoring	YES					
PV String 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	DC/AC: Type II					
DC Switch	Optional					
AFCI	NO					
<b>GENERAL DATA</b>						
Dimensions (W*H*D) [mm]	402*453*148					
Weight [kg]	14.8					
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 )					
Ingress Protection	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					