



# FOX HUB G2

SMART ENERGY MANAGEMENT SYSTEM

As a smart energy management system, FOX Hub completes the most critical piece of the puzzle in Fox ESS residential energy storage system. By integrating several intelligent features, FOX Hub centralizes power from multiple sources and performs energy redistribution via FoxCloud US App to provide a more comprehensive power solution. It reassures energy flow safety under different circumstances, and relieves homeowners from power loss concern.

- Automatic Off-Grid Protection
- Seamless On/Off Grid Transition
- Smart Load Shedding Circuit
- Inverter Scalability
- Generator Compatibility



# DATASHEET

## FOX HUB G2

MODULE	FOX Hub G2
<b>GENERAL ELECTRICAL</b>	
AC Current (Nominal) [A]	200
AC Input Voltage (Nominal) [Vac]	240
AC Output Voltage (Nominal) [Vac]	120/240
Rated AC Power [KW]	48
AC Voltage Range [Vac]	211-264
AC Frequency (Nominal) [Hz]	60
AC Frequency Range [Hz]	57-63
Microgrid Interconnection Device Rated Current [A]	200
Short-Circuit Breaking Capacity [KA]	22
Grid Disconnection Switchover Time [ms]	<20
<b>EXTERNAL CONNECTION</b>	
Solar terminal [A]	80
FOX Inverter [A]	80
Smart Circuits 1 (240V) [A]	80
Smart Circuit 2, 3 (120V) [A]	80
Non-Backup Load [A]	200
Backup Load Terminal [A]	200
Busbar Rating [A]	280
<b>GENERATOR (Optional)</b>	
Maximum Rated AC Power [KW]	48
AC Voltage Range [Vac]	211-264
Maximum Continuous Input Current [Adc]	200
Dry Contact Switch Voltage Rating [Vac/Vdc]	250/30
Dry Contact Switch Current Rating [A]	0.5A(250Vac) / 3A(30Vdc)
2-wire Start Switch	Yes
<b>ADDITIONAL FEATURES</b>	
Maximum Number of Inverter	4
Communication	CAN, RS485
Energy Meter (for Import/Export)	0.5% accuracy
<b>STANDARD COMPLIANCE</b>	
Safety	UL67,UL869A,UL916,UL1741,CSA22.2 NO.107
Emissions	FCC part 15 class B
<b>INSTALLATION SPECIFICATIONS</b>	
Dimensions (H*W*D)[inch / mm]	26.2*17.4*6.2 inch / 665*443*156.6 mm
Weight [lb / Kg]	37.4lbs / 17Kg
Supported Inverters	FOX US Series
Grid Conduit Size / AWG Range	2.5"Conduits / 6AWG - 250kcmil
Generator Input Conduit Size / AWG Range	2.5"Conduits / 6AWG - 250kcmil
Communication Conduit Size / AWG Range	1"Conduits / 24AWG - 16AWG
Cooling	Natural convection
Noise [dBA]	<35dB
Operating Temperature Range [°F / °C]	-4°F~+122°F (-20 °C ~ +50 °C)
Protection Rating	Type 3R
Warranty [Years]	12.5