



ALL-IN-ONE

G-MAX

COMMERCIAL AND INDUSTRIAL ENERGY STORAGE SYSTEM



SAFETY

Compartmentalized design with a preventive alarm system.



ECONOMIC

Zero power loss through efficient temperature control and frequency variation.



INTELLIGENT

Offers multiple operation modes, including Peak Shaving, Load Shedding, PV-Storage Energy Control, and Frequency Regulation. Operating data can be transmitted to Fox ESS Cloud via Wi-Fi, 4G or 5G.



AUGMENTABLE

Preconfigured during manufacturing, plug and play onsite. Capable of parallel connection upgrades for flexible system size application.

The G-MAX Series accommodates "All-in-one" design philosophy, integrating battery with longevity, intelligent BMS, high performance PCS, preventive safety system, smart distribution system and heat dissipation management system into one standard container for standardized manufacturing (for outdoor application) and simpler installation.

37.5kW ...>> 60kW



For more about the Fox ESS range of inverters, visit:

us.fox-ess.com



TECHNICAL SPECIFICATIONS

MODEL		GM215kWh -37.5kW-6.4h	GM215kWh -50kW-4.8h	GM215kWh -60kW-4h
BATTERY SPECIFICATION				
Battery Type [V/Ah]			LFP 3.2/314	
Battery Pack Capacity [kWh]			60.29	
Battery System Capacity [kWh]			241	
Voltage Range [V]			672 ~ 876	
Number of Temperature Sensor [V]			128	
Max. Charging Current [A]			157	
Max. Discharging Current [A]			157	
Battery Pack Protection Level			IP67	
PV SPECIFICATION				
Max. PV Array Power [kW]			75	100120
Max. PV Input Power [kW]			75	100120
Withstand Voltage [V]			1000	
Input Voltage Range [V]			180 ~ 950	
Start up Voltage [V]			180	
MPPT Voltage Range [V]			180 ~ 850	
MPPT No. / String per MPPT			4/2	
Max. Current per MPPT [A]			40	
Max. Short Circuit Current per MPPT [A]			55	
AC SPECIFICATION				
Nominal AC Input/Output Power [kW]			37.5	5060
Max. AC Input/Output Power [kVA]			41.25	5566
Nominal AC Input/Output Current [A]	208V	104.09	138.79	166.55
	220V	98.41	131.22	157.46
	240V	90.21	120.28	144.34
Max. AC Input/Output Current [A]	208V	114.50	152.67	183.20
	220V	108.26	144.34	173.21
	240V	99.23	132.31	158.78
Max. Bypass Current [A]			300	
Nominal AC Voltage [V]			208/220/240, 3W+N+PE or 3W+PE	
Nominal AC Frequency [Hz]			50/60	
Frequency Range [Hz]			45 ~ 55 / 55 ~ 65	
Power Factor			0.8 Leading ~ 0.8 Lagging	
Max. THDi [%]			<3	
DC Injection Current [%]			0.50	
On/off grid Switch Time [ms]			<10	
Peak Current (Off-grid) [A]			225, 10s	
LRA Current [A]			300	
Max. THDu (Off-grid) [%]			<3 (Linear Load)	
EFFICIENCY				
CEC Efficiency [%]			97.10	
Max. Efficiency [%]			97.70	
GENERAL SEPECIFICATION				
Dimension (W*D*H) [mm]			1040*1500*2200	
Weight [kg]			<2500	
Operation Temperature [°C]			-25 ~ 55	
Type of Cooling			Liquid Cooling	
Operating Altitude [m]			≤ 3000	
Humidity [%]			0 ~ 100	
Noise			<75 @ 1m	
DOD [%]			0 ~ 100	
Cycle Life			≥8000 @70%EOL	
Communication Interfaces			Ethernet	
Ingress Protection			IP54	
Fire Protection			Aerosol	