



**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 ...>> 75kW



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

[us.fox-ess.com](http://us.fox-ess.com)



TECHNICAL SPECIFICATIONS

MODEL			GMD241kWh -37.5kW-208V	GMD241kWh -50kW-208V	GMD241kWh -60kW-208V	GMD241kWh -75kW-208V	
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]				176			
Max. Discharging Current [A]				176			
Battery Pack Protection Level				IP67			
PV SPECIFICATION							
Max. PV Array Power [kW]				75	100	120	150
Max. PV Input Power [kW]				75	100	120	150
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	50	60	75
Max. AC Input/Output Power [kVA]				41.25	55	66	75
Nominal AC Input/Output Current [A]	208V		104.09	138.79	166.55	/	
	220V		98.41	131.22	157.46	196.8	
	240V		90.21	120.28	144.34	180.4	
Max. AC Input/Output Current [A]	208V		114.50	152.67	183.20	/	
	220V		108.26	144.34	173.21	196.8	
	240V		99.23	132.31	158.78	180.4	
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]				-30 ~ 60			
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				IP55			
Fire Protection				Aerosol			