



**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.

60kW ...>> 125kW



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

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



## TECHNICAL SPECIFICATIONS

MODEL	GMD241kWh -60kW-480V	GMD241kWh -80kW-480V	GMD241kWh -100kW-480V	GMD241kWh -110kW-480V	GMD241kWh -125kW-480V
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]	120	160	200	220	250
Max. PV Input Power [kW]	120	160	200	220	250
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	8/2	8/2	8/2	8/2
Max. Current per MPPT [A]			40		
Max. Short Circuit Current per MPPT [A]			55		
AC SPECIFICATION					
Nominal AC Input/Output Power [kW]	60	80	100	110	125
Max. AC Input/Output Power [kVA]	66	88	110	121	137.5
Nominal AC Input/Output Current [A]	70.17	96.23	120.28	132.3	150.4
Max. AC Input/Output Current [A]	77.19	105.85	132.31	145.5	165.4
Max. Bypass Current [A]			300		
Nominal AC Voltage [V]			480, 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 [%]			97.60		
Max. Efficiency [%]			98.20		
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		