



ALL-IN-ONE

G-MAX SERIES

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.

100kW



For more information about the Fox ESS range, visit:
www.fox-ess.com



TECHNICAL SPECIFICATIONS

MODEL		GM215kWh-100kW-2h
BATTERY MODULE DATA		
Battery Type [V/Ah]	LFP 3.2/280	
Battery Pack Capacity [kWh]	53.76	
Battery System Capacity [kWh]	215	
Operating Voltage Range [V]	672 ~ 876	
Number of Temperature Sensors	128	
Battery Pack Protection Level	IP67	
AC OUTPUT DATA		
Rated Output Power [kW]	100	
Peak Output Power [kW]	110	
Max. AC Input/Output Current [A]	167	
THDi [%]	<3	
Nominal Voltage [Vac]	380/400, 3L/N/PE	
Power Factor	>0.99	
Adjustable Power Factor Range	-1 ~ 1 (leading ~ lagging)	
Nominal Frequency [Hz]	50/60	
SYSTEM DATA		
Round Trip Efficiency [%]	>89	
DOD [%]	0 ~ 100	
Cycle Life	≥8000@70%EOL	
Communication Interfaces	Ethernet	
Ingress Protection	IP54	
Cooling Type	Liquid cooling	
Altitude [m]	≤3000	
Operating Temperature [°C]	-25 ~ 55	
Operating Humidity [%]	0 ~ 95 (No condensation)	
Noise [dB]	<75 @1m	
Dimensions (W*D*H) [mm]	1040*1500*2200	
Fire Protection	Aerosol	
Weight [kg]	<2500	
Grid Code	CEI 0-21, CEI 0-16, EN 50549-1, EN 50549-2, EN 50549-10, TOR type A, C11/10, G99	
Safety/EMC	IEC 62619, IEC 60730-1 appended H, IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, UN 38.3, UL 9540A	