DATASHEET

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 Sensor	128
Battery Pack Protection Level	IP67
AC OUTPUT DATA	
Rated Output Power [kW]	100
Peak Output Power [kW]	110
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
Operation Temperature [°C]	-25 ~ 55
Operation Humidity [%]	0 ~ 95, No condensation
Noise [dB]	<75 @1m
Dimension (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