FOX ESS

DATASHEET

ALL-IN-ONE

G-MAX

COMMERCIAL AND INDUSTRIAL ENERGY STORAGE SYSTEM

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

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.

TECHNICAL SPECIFICATIONS

MODEL	GM215kWh-100kW-2hF
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 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
GENERAL DATA	
Round Trip Efficiency [%]	>89
DOD [%]	0 ~ 100
Cycle Life	≥8000@70%EOL
Communication Interfaces	Ethernet
Ingress Protection	IP55
Corrosion Protection	Standard C4, Optional C5
Fire Protection	Aerosol
Cooling Type	Liquid cooling
Altitude [m]	≤3000
Operating Temperature [°C]	-25 ~ 55
Operating Humidity [%]	0 ~ 95 (No condensation)
Full Power Noise [dB]	<70 @1m
Dimensions (W*H*D) [mm]	1040*2200*1500
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