

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

TECHNICAL DATA

| 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 |