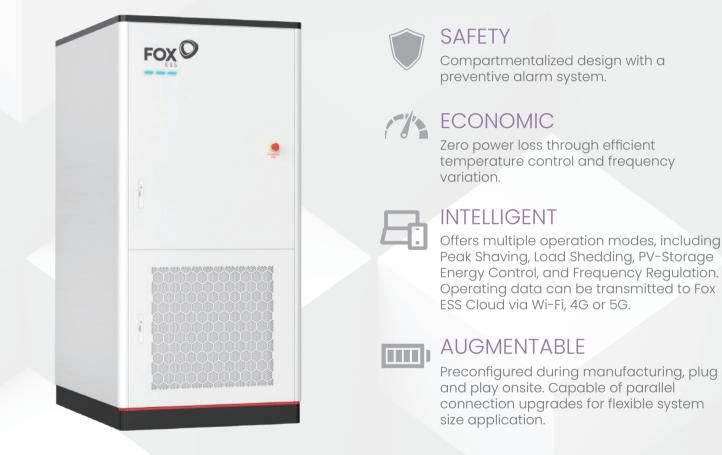


DATASHEET

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.





TECHNICAL SPECIFICATIONS

MODEL	GM215kWh -60kW-3.6h	GM215kWh -80kW-2.7h	GM215kWh -100kW-2.2h	GM215kWh -120kW-1.8h	
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]	157				
Max. Discharging Current [A]	157				
Battery Pack Protection Level	IP67				
PV SPECIFICATION					
Max. PV Array Power [kW]	120	160	200	240	
Max. PV Input Power [kW]	120	160	200	240	
Withstand Voltage [V]	120		000	210	
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	
Max. Current per MPPT [A]	4/2			0/2	
Max. Short Circuit Current per MPPT [A]	40 55				
AC SPECIFICATION		-	5		
	<u> </u>		100	120	
Nominal AC Input/Output Power [kW]	60	80	100	120	
Max. AC Input/Output Power [kVA]	66	88	110	132	
Nominal AC Input/Output Current [A]	70.17	96.23	120.28	144.34	
Max. AC Input/Output Current [A]	77.19	105.85	132.31	158.77	
Max. Bypass Current [A]	300 480, 3W+N+PE or 3W+PE				
Nominal AC Voltage [V]					
Nominal AC Frequency [Hz]	50/60 45 ~ 55 / 55 ~ 65				
Frequency Range [Hz]					
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 300				
LRA Current [A]	<pre>300 <3 (Linear Load)</pre>				
Max. THDu (Off-grid) [%]		<3 (LINE	ar Load)		
EFFICIENCY			<u> </u>		
CEC Efficiency [%]	97.60 98.20				
Max. Efficiency [%]		98	.20		
GENERAL SEPECIFICATION					
Dimension (W*D*H) [mm]	1040*1500*2200				
Weight [kg]	<2500				
Operation Temperature [°C]	-25 ~ 55				
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	IP54				
Fire Protection	Aerosol				