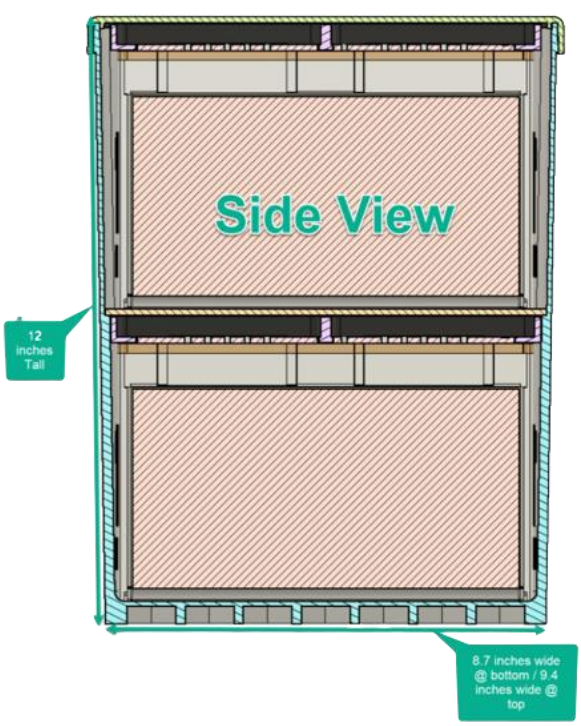
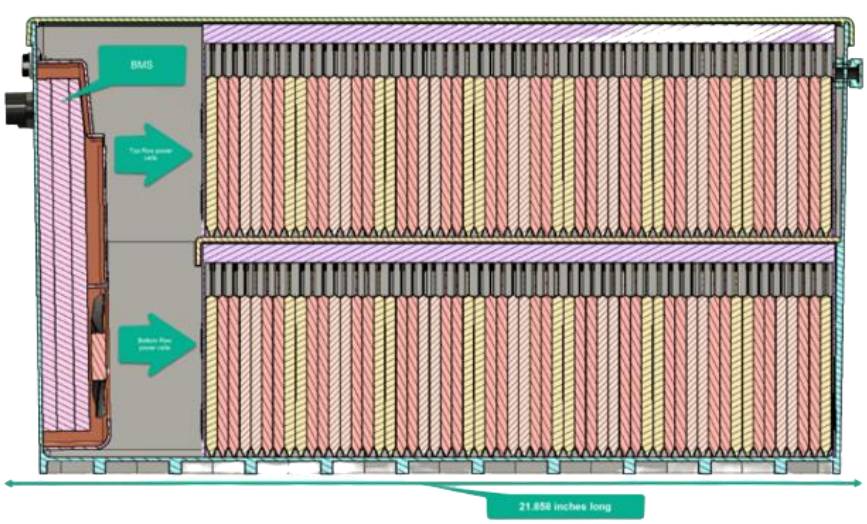
ME GC 8.4 kVAh Golf Cart Battery

Known for its exceptional flexibility, electrical conductivity, and mechanical strength, Graphene allows for quick charging, increased capacity, improved performance, and extended battery life span. Graphene has an ultimate tensile strength of 130,000,000,000 Pascals. Unlike lithium-ion, lead acid, and other types of batteries, Graphene does not lose its ability to charge over time. Since graphene is composed entirely of carbon, the Graphene Battery is 95% biodegradable, making Graphene an environmentally-friendly option.

When used as a power source for golf carts, utility carts, & turf utility vehicles, Graphene provides a superior alternative to other types of batteries.

- Unlimited Charges
- Charges in Less Time Than Other Solutions
- 100% Capacity Possible
- Environmentally Responsible – 95% Recyclable
- Long Life Span – Outlives Most Vehicles
- Solid State Battery – No Liquid
- Lower Cost Than Other Solutions
- Can Be Used in Freezing Temperatures
- Lower Fire Risk
- Does Not Produce Toxic Fumes While Charging
- Durable Metal Case





MINT ENERGY

www.Graphene-Battery.com

ME GC 8.4 kVAh Golf Cart Battery

UNIT SPECIFICATIONS

Dimensions	21.877x9.481x12.063”	Operating Temperature Range	`-4 to 140°F
Rack Space Units	3.43	Storage Temperature Range	`-4 to 131°F
Rack Space Height	6”	Protection Class	IP20
Series Capacitors	14	Inner Cell Pack Layout - Columns (2)	
Parallel Capacitors	4	Total Cells Capacitance	2,352,000f
Battery Banks in Parallel	2	Total Capacitance	6,000f
Rated Voltage	51.80V	Estimated VA Hours	8,400VAh
Max Surge Voltage	59.50V	Nominal Energy Rating	8.40kVAh
Max Continuous Voltage	58.80V	Max Continuous Voltage	54.60 V
Min Voltage	42V	Min Voltage	49.40 V
Nominal Current	80A	Nominal Current A	1,760.00 ADC
Continuous Current	160A	Continuous Current A	3,520.00 ADC
Peak current (5 Sec)	240.00A	Peak Current A	5,280.00 ADC
Maximum Charging Current	225A	Capacitance in Farads	24,024,000.00f
Full to Empty Discharge Time at Maximum	60.81 Minutes	Total Capacitors	1,144
Empty to Full Charge Time at Maximum	43.24Minutes	Run Time (100% Load)	9.9 Hours
Maximum Inter-Cell Balance Discharge Current	200mA	VA Hours	85,800.00 VA
Overcharge Protection Cutoff Voltage Per Cell	4.25V	Nominal Energy Rating	85.80kVAh
Overcharge Protection Release Voltage Per Cell	4.187V	Assumed Power Factor	1.00
Over Discharge Protection Cutoff Voltage Per Cell	3.8V	Energy Storage (Watt Hours)	8,400 Wh
Over Discharge Protection Release Voltage Per Cell	3.9V	Energy Storage (Amp Hours)	126.16 Ah
Low Temperature Cutoff Temp	5 (115) °F (°C)	Self-Usage Power Consumption	2VA
Low Temperature Release Temp	9 (-13) °F (°C)	Internal Resistance	≤5.25mΩ
High Temperature Cutoff Temp	131 (55) °F (°C)	Leakage Current	≤31.111mΩ
High Temperature Release Temp	127 (53) °F (°C)	Expected Cycle Life	>43,000
		Guaranteed Cycles	20,000

FEATURES

Built-In Battery Management System (BMS)
Built-In Protections
Communication and Monitoring via CANBUS
Rapid Charge/Discharge Capabilities
Durable Powder Coated Steel Chassis
Constant Current / Constant Voltage – Similar to Lithium-Ion
Multiple Battery Packs Can Be Used in Parallel

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DISCLAIMER