



GOLF CART BATTERY DATA SHEET
51.2V 160AH
GCB-51160



Designed & Engineered in the USA
Advanced System & Component Integration
Robust Safety, Performance & Reliability
Designed for Ease of Installation
Automotive Grade: A Lithium Cells
Advanced BMS Technology
Bluetooth Enabled
Native CAN Bus & RS485 Communication
Rated IP67 Weather Resistant

GENERAL		COMMUNICATION	
Normal Voltage	51.2V	Bluetooth	Yes
Working Voltage	43.2V-58.4V	CAN	Yes
Recommended Voltage	48.0V-57.0V		
Cell Count	32		
Normal Capacity	160Ah		
Energy	8,192Wh		
Reserve @25A	385 Minutes		
Self Discharge	1% Per Month		
IP Rating	IP67		
Cycles	+4,000		
CHARGING		SAFETY	
Recom. Charge Current	<80A	Charging Freeze Protection	Yes - Under 32F
Max Charge Current	160A	Pack Over-Voltage	Yes
Bulk/Absorb Voltage	57.0V	Cell Balancing	Yes
Float Voltage	54.0V or Off	Pack Under-Voltage	Yes
BMS High Voltage Cutoff	59.2V	Cell Under-Voltage	Yes
Charging Temp Range	32F to 130F	Cell Over-Temp	Yes
		BMS Over-Temp	Yes
		Short Circuit/Over Current	Yes
		Certifications	UN38.3, UL1642 Cell
DISCHARGING		PHYSICAL	
Max Continuous Discharge	200A	Cell Chemistry	Lithium Iron Phosphate
Max Discharge 3 Sec	500A	Cell Type	Prismatic
Max Discharge 30 Sec	300A	Cell Configuration	2P16S
Recom. Voltage Cutoff	48.0V	Series Connectable	No
BMS Voltage Cutoff	43.2V	Parallel Connectable	Yes, up to 2
BMS Voltage Recovery	46.4V	Weight	146.2 lbs (66.3kg)
Discharge Temp Range	-10F to 140F	Dimension LxWxH	21.7" x 12.6" x 10.25"
		Shell Type	Powder Coated Steel
		UN Shipping Class	UN 3480

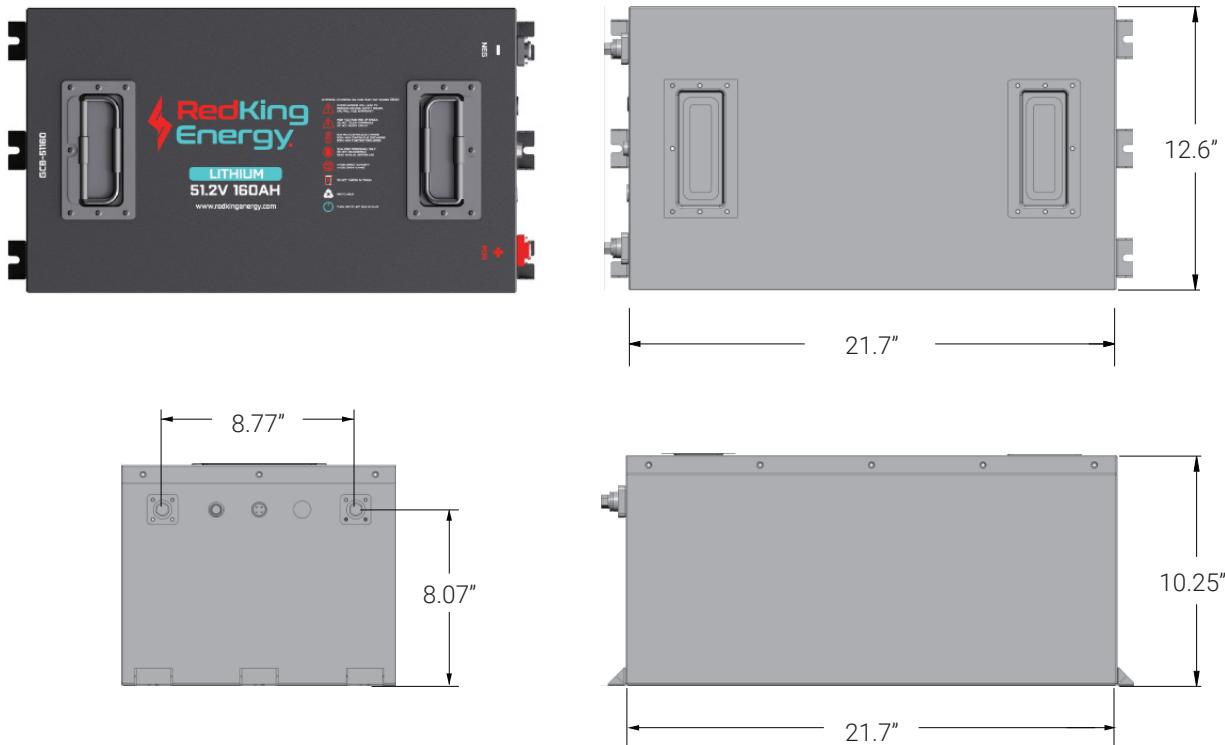
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DIMENSIONS

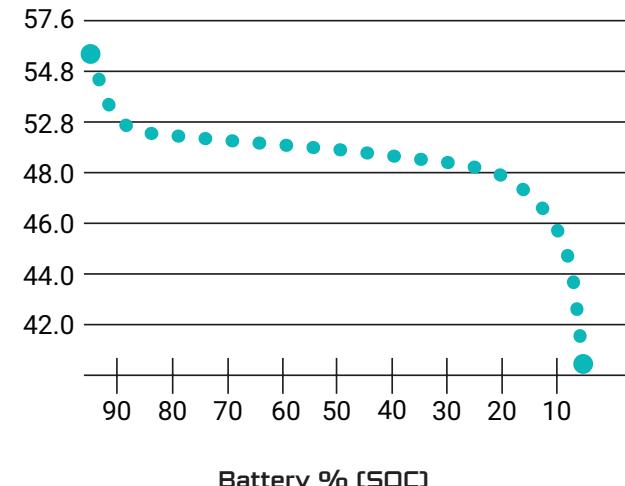


TORQUE SPECS

MB Terminal Bolts

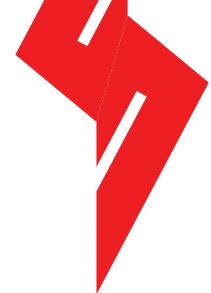
6ft/lbs (72in/lbs)

VOLTAGE CURVE





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READ BEFORE INSTALL!



**HEAVY
TEAM LIFT REQUIRED**



**HIGH VOLTAGE
HANDLE WITH CARE**



**DO NOT PRESSURE
WASH OR SUBMERGE**



**CHARGE BATTERY
BEFORE USE**

WARNINGS

High Voltage. DO NOT install or service this battery unless you are properly trained.

Use only with components that have the same voltage and current rating as the battery.

DO NOT touch or connect to the terminals unless the battery is manually turned off.

DO NOT open or attempt to service the battery, there are no user serviceable parts inside.

USE & CARE

Charge the battery every night to ensure it is always fully charged and ready to use.

Batteries will not charge if the internal battery temperature falls below 34F.

DO NOT pressure wash, submerge, or use chemical agents to clean your battery.

Clean the battery using a damp cloth that does not include chemical agents.