



## 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

Normal Voltage	51.2V
Working Voltage	43.2V-58.4V
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

Recom. Charge Current	<80A
Max Charge Current	160A
Bulk/Absorb Voltage	57.0V
Float Voltage	54.0V or Off
BMS High Voltage Cutoff	59.2V
Charging Temp Range	32F to 130F

### DISCHARGING

Max Continuous Discharge	200A
Max Discharge 3 Sec	500A
Max Discharge 30 Sec	300A
Recom. Voltage Cutoff	48.0V
BMS Voltage Cutoff	43.2V
BMS Voltage Recovery	46.4V
Discharge Temp Range	-10F to 140F

### COMMUNICATION

Bluetooth	Yes
CAN	Yes

### SAFETY

Charging Freeze Protection	Yes - Under 32F
Pack Over-Voltage	Yes
Cell Balancing	Yes
Pack Under-Voltage	Yes
Cell Under-Voltage	Yes
Cell Over-Temp	Yes
BMS Over-Temp	Yes
Short Circuit/Over Current	Yes
Certifications	UN38.3, UL1642 Cell

### PHYSICAL

Cell Chemistry	Lithium Iron Phosphate
Cell Type	Prismatic
Cell Configuration	2P16S
Series Connectable	No
Parallel Connectable	Yes, up to 2
Weight	146.2 lbs (66.3kg)
Dimension LxWxH	21.7"x12.6"x10.25"
Shell Type	Powder Coated Steel
UN Shipping Class	UN 3480

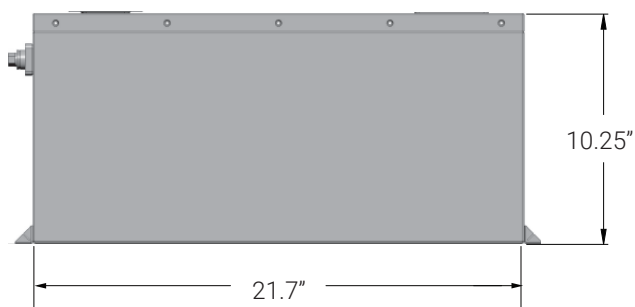
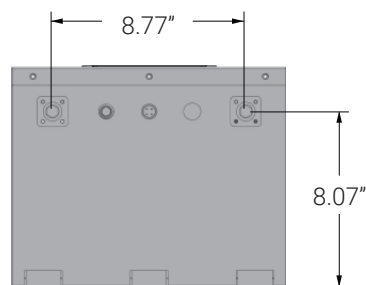
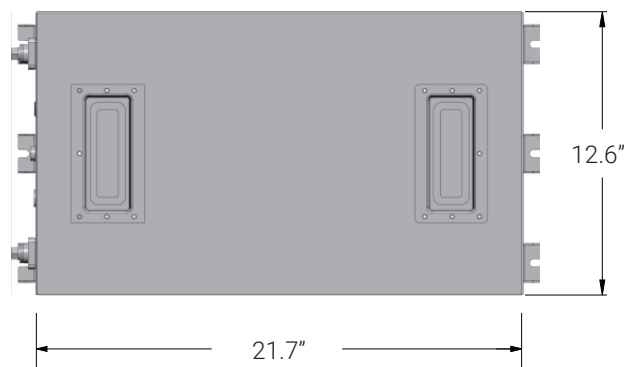
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## DIMENSIONS

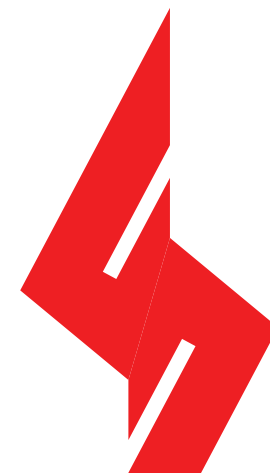
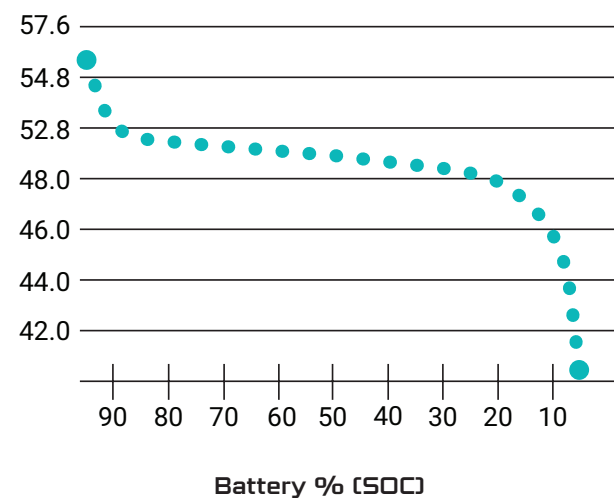


## TORQUE SPECS

MB Terminal Bolts

6ft/lbs (72in/lbs)

## VOLTAGE CURVE





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RedKingEnergy.com



# 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.