

# DATA SHEET

## 48 V 52 Ah - Replaces GC2 (6 V) & GC8 (8 V)



### GENERAL SPECIFICATIONS

Model	GT48V52-GC2/8-SF-A20
Chemistry	LiFePO4
Nominal Voltage	48 V
Nominal Capacity	52 Ah
Nominal Energy	2560 Wh
Cycle Life	6000

### MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	10.2 in x 6.9 in x 10.9 in
Weight	44 lb
Enclosure Protection	IP67

### TEMPERATURE SPECIFICATIONS

Charge Temperature	0 °C to 55 °C (32 °F to 131 °F)
Discharge Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Environmental Operating Temps.	-30 °C to 50 °C (-20 °F to 120 °F)
Avoid Charging	Below 0 °C (32 °F)

### OTHER SPECIFICATIONS

Efficiency	99%
Communication	CAN bus

Manufactured and distributed by Grand Teton Energy Systems.

Performance may vary depending on application. All specifications and operating conditions are subject to change without notice. This data is provided for evaluation purposes only and does not imply any warranty or guarantee. Grand Teton Energy Systems. All rights reserved.

Version 002 - Revised 01-16-2026

### CHARGE SPECIFICATIONS

Charge Mode	CC-CV
Recommended Charge Current	25 A
Maximum Charge Current	50 A

### DISCHARGE SPECIFICATIONS

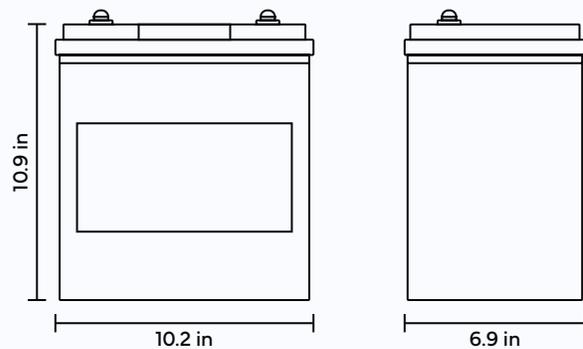
Recommended Discharge Current	50 A Continuous
Discharge Cutoff Voltage	40 V
Discharge Current	200 A for 3 s
Recommended Low Voltage Disconnect	48 V

### BATTERY RECYCLE



NOTE: Do not mix with sealed lead-acid batteries when recycling. Refer to the Grand Teton user manual for proper operation.

### BATTERY DIMENSIONS



### Easy Drop-in Replacement

