



51.2V 52Ah - Replaces GC12 (12V)

GENERAL SPECIFICATIONS


Model Number	GT51V52-GC12-SF-A20
Nominal Capacity	52Ah
Nominal Energy	2560Wh
Nominal Voltage	51.2V
Weight	44lbs
Dimensions (LxWxH)	13.1in x 6.9in x 10.9in

CHARGING

Charging Temperature Range	32°F to 131°F (0°C to 55°C)
Charge Method	CC/CV
Maximum Current	50Amps
Recommended Current	25Amps
Cycle Life	6000
Charge Efficiency	99%

DISCHARGING

Discharging Temperature Range	-4°F to 140°F (-20°C to 60°C)
Discharge Current	50Amps Continuous
Peak Instant Discharge Current	200Amps for 3 seconds
Discharge Cutoff Voltage	40 Volts: Any Cell (2.5 Volts)
Recommended Low Voltage Disconnect	48 Volts
Communication Method	CANbus

 Manufactured and distributed by Grand Teton Energy Systems.

Performance may vary depending on application. All Specifications and operation conditions are subject to change without notice. This data is for evaluation purposes only. No guarantee is intended or implied by this data. MDS.

Certifications:

All batteries meet UN 38.3 standards and comply with all U.S. and international regulations for air, ground, rail, and marine transport.

Web Version 001

FEATURES & BENEFITS

- ⚡ Easy drop in replacement for GC2 and GC8 batteries
- ⚡ Only 1 battery required — save money on your conversion
- ⚡ One battery provides ~25 miles of range (flat road, single rider)
- ⚡ Multiple batteries work in parallel, showing the correct charge on the display.
- ⚡ Optimized for both starting and deep-cycle performance
- ⚡ Superior performance in demanding applications
- ⚡ High energy density for maximum efficiency
- ⚡ Long-lasting lifespan for reliable use
- ⚡ Low self-discharge for extended shelf life

SUPERIOR PERFORMANCE

- ⚡ **Twice the power** of traditional batteries for enhanced performance
- ⚡ **One-third the weight** of lead-acid batteries for easier handling
- ⚡ **Three times the service life** for long-lasting reliability
- ⚡ **IP67-rated protection** for durability in harsh conditions

SAFE & RELIABLE

- ⚡ All batteries include an active Battery Management System (BMS) protection circuit that manages cell balancing, low-voltage cutoff, high-voltage cutoff, short-circuit protection, and temperature protection, ensuring enhanced performance and longer lifespan.

OPERATING TEMPERATURE

Environmental Operating Temps.	-20°F min, 120°F max
Avoid Charging	Below 32°F

DIMENSIONS

