

DATA SHEET

51.2V 50Ah - LONG-LASTING POWER | GOLF CART BATTERY



Safety Certified Via: ISO 9001: 2015 & UN38.3

GENERAL SPECIFICATIONS

Model Number	GT51V50-GC-SF-A20
Nominal Capacity	50Ah
Nominal Energy	2560Wh
Nominal Voltage	51.2V
Weight	44lbs
Dimensions (LxWxH)	10.9in x 7in x 10.9in

CHARGING

Charging Temperature Range	32°F to 131°F (0°C to 55°C)
Charge Method	CC/CV
Absorb Voltage	56 to 57.6 Volts
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
Discharge Current 3 Seconds	<100Amps
Discharge Cutoff Voltage	40 Volts: Any Cell (2.5 Volts)
Recommended Low Voltage Disconnect	48 Volts
Peak Instant Discharge Current	150Amps
Communication Method	RS485/ CAN/ Bluetooth
Continuous Discharge Current	200Amps for 3 Seconds

FEATURES & BENEFITS

- ⚡ Widely used in golf carts and tour buses
- ⚡ 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
- ⚡ **5-year quality guarantee** for peace of mind

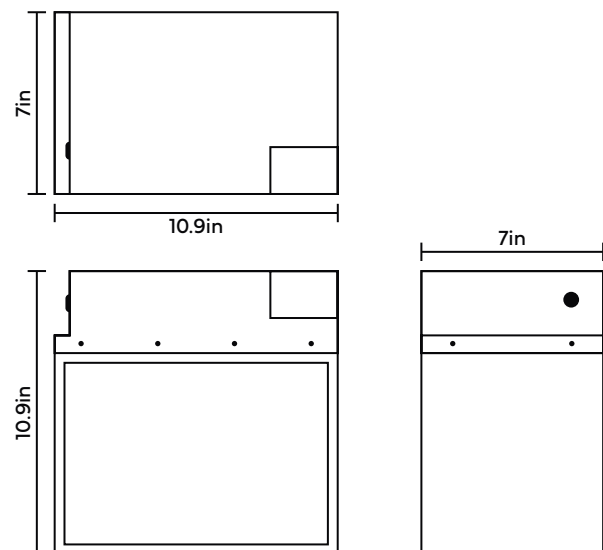
SAFE & RELIABLE


- ⚡ 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



 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.

Version 001