

DATA SHEET

38.4V 105Ah - LONG LASTING POWER



UL 1492 (Cell Level) & UN 38.3

GENERAL SPECIFICATIONS

Model Number	GT36V105-GC-A20
Nominal Capacity	105Ah
Nominal Energy	4032Wh
Nominal Voltage	38.4V
Dimensions (LxWxH)	20.6in x 9.7in x 8.7in
Weight	71 lbs
Heated Battery	
Communication Method	CANBus / Optional Bluetooth

CHARGING

Charging Temperature Range	32°F to 131°F (0°C to 55°C)
Charge Method	CC/CV
Absorb Voltage	42 to 43.2 Volts
Maximum Current	100Amps
Recommended Current	50Amps
Cycle Life	6000
Charge Efficiency	99%

DISCHARGING

Discharging Temperature Range	-4°F to 140°F (-20°C to 60°C)
Discharge Current	100Amps Continuous
Discharge Current 3 Seconds	<300Amps
Discharge Cutoff Voltage	30 Volts: Any Cell (2.5 Volts)
Recommended Low Voltage Disconnect	36 Volts

 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

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

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

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.	-40°F min, 120°F max
Battery Heater Turns on During Charge	Below 59°F

DIMENSIONS

