

# 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

