

DATA SHEET

60 V 200 Ah



GENERAL SPECIFICATIONS

| | |
|------------------|--------------------------|
| Model | GT60V200-GC-A20 |
| Chemistry | LiFePO4 |
| Nominal Voltage | 60.8 V |
| Nominal Capacity | 200 Ah |
| Nominal Energy | 12000 Wh |
| Cycle Life | > 2000 cycles @ 100% DOD |

MECHANICAL SPECIFICATIONS

| | |
|------------------------|--------------------------------|
| Dimensions (L x W x H) | 29.52 in x 16.33 in x 10.55 in |
| Weight | 216 lb ± 11 lb |
| Casing Material | Metal |
| Terminal Type | M8 |
| Enclosure Protection | IP56 |

TEMPERATURE SPECIFICATIONS

| | |
|-----------------------------|-----------------------------------|
| Charge Temperature | 0 °C to 45 °C (30 °F to 113 °F) |
| Discharge Temperature | -20 °C to 60 °C (-4 °F to 140 °F) |
| Storage Temperature | 0 °C to 40 °C (30 °F to 104 °F) |
| BMS High Temperature Cutoff | 65 °C (149 °F) |

OTHER SPECIFICATIONS

| | |
|----------------|--------------------------------|
| Self-Discharge | 2% per month |
| Efficiency | 99% |
| Resistance | ≤ 15 m Ω |
| Bluetooth | Yes |
| Communication | CANbus SMbus RS485 RS232 |

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.

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CHARGE SPECIFICATIONS

| | |
|----------------------------|--------|
| Charge Voltage | 69.3 V |
| Charge Method | CC-CV |
| Recommended Charge Current | 100 A |
| Maximum Charge Current | 200 A |
| BMS Charge Cutoff Voltage | 69.3 V |
| Recommended Float Voltage | 65.6 V |

DISCHARGE SPECIFICATIONS

| | |
|--------------------------------|---------------------|
| Continuous Discharge Current | 200 A |
| BMS Discharge Cutoff Voltage | 41.8 V |
| Reconnect Voltage | 52.2 V |
| Pulse Discharge Current | 400 A (< 3 seconds) |
| Recommended Voltage Disconnect | 47.5 V |
| Short Circuit Protection | 200 to 600 μs |

COMPLIANCE SPECIFICATIONS

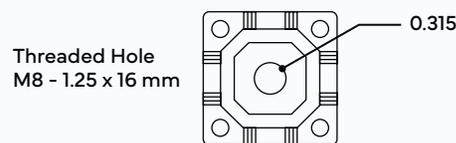
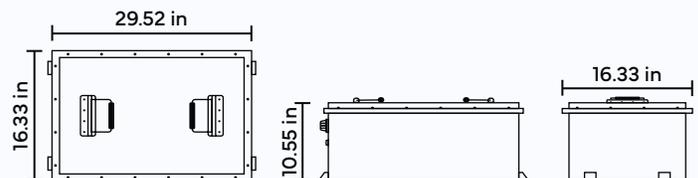
| | |
|-------------------------|--|
| Certifications | CE UL 1642 (Cell) IEC62133 & CB KC BIS |
| Shipping Classification | UN3480 Class 9 UN38.3 |

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



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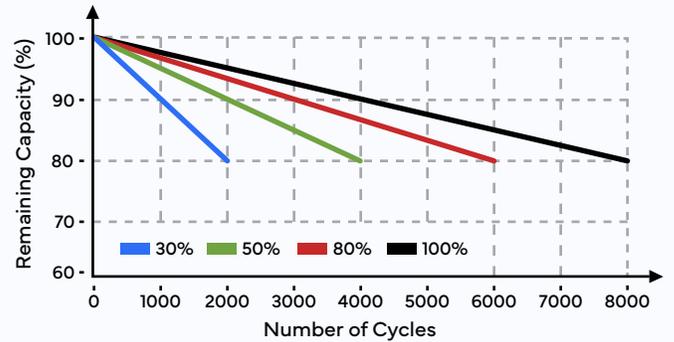


BATTERY APPLICATIONS

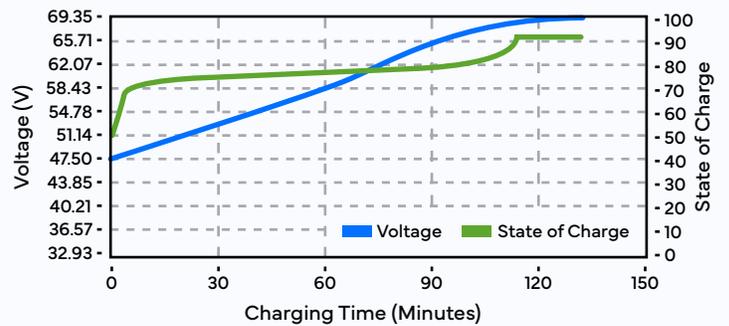
- ⚡ Data Center UPS
- ⚡ Telecom Backup Power
- ⚡ Military Power Supply
- ⚡ Solar Energy Storage Systems
- ⚡ Solar Street LED Lighting
- ⚡ Autonomously Guided Vehicles (AGVs)
- ⚡ Industrial Robotics & Handling Equipment
- ⚡ Aerial Work Platforms
- ⚡ Floor Cleaning Machines
- ⚡ Power Tools & Lawn Mowers
- ⚡ Electric Bikes & Motorcycles
- ⚡ Electric Mobility Devices (E-scooters, Wheelchairs)
- ⚡ Golf Trolleys & Golf Carts
- ⚡ Medical Devices
- ⚡ Electric Ships
- ⚡ Passenger Vehicles



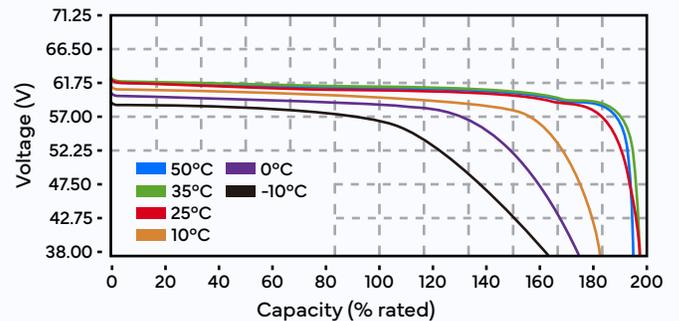
PERFORMANCE CHARACTERISTICS



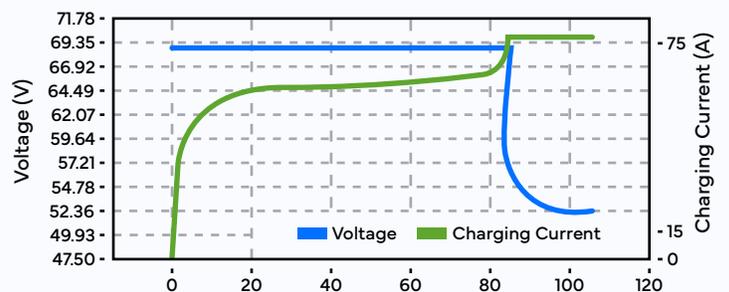
Cycle Life vs. Depth of Discharge (DOD)
Discharge @ 0.5C, 25 °C



State of Charge Curve @ 0.5C, 25 °C



Discharge Capacity at Various Temperatures
Discharge @ 0.5C, 25 °C



Charging Characteristics @ 0.5C, 25 °C