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M-POWER™ SYSTEM WARRANTY: HILT™

The M-Power™ System in 2024 Storyteller Overland HILT vehicles consists of the following components supplied by Lithionics Battery: Battery Management System ('BMS'), Battery Module(s), Inverter, Generator, Communication Center, DC-DC Converter, Distributor, Bluetooth Telemetry and critical Power and Signal Harnesses.

- Lithionics warranties each Battery Module for 500,000 amp hours (Ah) and 5-years for manufacturing defects, but almost all Storyteller Overland vehicles have two Battery Modules. So, almost all Storyteller Vehicles come with a 1,000,000 Ah and 5-year warranty against defects from Lithionics Battery. It is the first battery system to have both a TIME BASED and a USAGE based warranty that offers full accountability to our end-users.
- The Battery Management System ('BMS'), the Power Conversion hardware such as the inverter, the DC-DC Converter, and GX Cerbo have a 5-year warranty against defects by Lithionics Battery, prorated for benefit-of-use. The alternator has a 2-year warranty.

Battery Life Expectations and the Lithionics Battery Bluetooth Monitor App Lithionics Batteries use Gen 4 Lithium Iron Phosphate (LFP) Super-Density chemistry with expected life of 3000 to 4000 cycles. For most users, that is 8 to 10 years of service, but the useful life is always estimated within a range as factors such as proper maintenance and operating temperatures affect battery life. For example, battery life will be reduced when consistently operated at higher temperatures or kept at high states of charge for long periods of time without cycling or when not in use. Users can connect to their system through the Lithionics Battery Monitor App to track such things as battery usage and battery life in an objective, and data-driven verifiable way.

What does this mean and how does this benefit the user?

Storyteller Overland has selected Lithionics' most advanced cells with the highest performance available today. The two Battery Module system offers 330 usable Ah and the warranty is calculated

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as 330 Ah X 3000 cycles = 1,000,000 Ah of energy throughput. The NeverDie® feature in the Lithionics Battery Management System provides a “spare fuel reserve” of 10%, allowing the user to first utilize 90% of the battery stored energy, and by the press of a button, you may access the final 10%. Using the NeverDie® 10% energy reserve does NOT affect battery life. The purpose of an energy reserve is to provide a user-controlled method of knowing you are about to deplete the battery to full empty and as such alerting the consumer to know it’s more critical to re-charge the battery. With the increased capacity of the battery, most customers likely will not use the last 10% on a normal basis.

The Lithionics Battery Monitor App measures various performance metrics including durability affecting data such as:

- **TOTAL CONSUMED:** like a battery odometer
- **AGING FACTOR TEMP:** hours the battery has operated at high temperatures
- **AGING FACTOR SOC:** time the battery sits at full charge without use or cycling

Program Features

Year 1: we will offer a rapid-response Dealer Direct Exchange Program in the event a fault code cannot be resolved in the field. This means we will immediately ship any replacement component needed to get your back on the road or off-grid.

Years 2 to 5: Should a component require analysis at our factory, we will send a FedEx Ground or similar pick-up service to your dealer and have the product delivered to our factory. Warranty or Repair turn-around is normally 2 weeks for the BMS and batteries, and 3-4 weeks for the power conversion equipment listed above.

Please contact Lithionics Battery for the full terms of their warranty.



LITHIONICS BATTERY®

Clearwater, FL 33759 USA

Ph: 727.726.4204 | Fax: 727.797.8046

LithionicsBattery.com