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Sierra Fury 1150 Li-Ion X Scooter Battery Disclosure Sheet

The purpose of this document is to disclose the risks of Lithium-Ion batteries, and to have the prospective purchaser and user expressly acknowledge they are aware of and accept these risks.

Lithium-Ion batteries can pose several risks. Any device that stores energy is inherently dangerous, a full scuba tank, a can of gasoline, or a 52 amp hour, 22.2 volt, 1154 watt-hour battery. The key to using each safely is controlling how rapidly the energy is released.

Please Initial Each Paragraph, Sign, Date and Witness This Document. Failure to execute this document will preclude the sale of any batteries covered.

_____ Under Voltage, Over Voltage and Over Current: Lithium-Ion batteries can suffer catastrophic failure if they are recharged to a voltage in excess of specification, discharged to too low a voltage, or subjected to short circuits. This battery, as an integral part, contains circuitry to limit both over and under voltage hazards, and to limit over current hazards. The operation of these circuits should be transparent to the user. It is expressly acknowledged while these circuits reduce the hazards of Lithium-Ion batteries, risks of catastrophic failure remain.

_____ Mechanical Damage: Lithium-Ion batteries can be internally short circuited with catastrophic results if mechanically damaged. Crushing the cells can result in uncontrolled discharge. Handle with care. Transportation in the furnished carton, or installed in the hull of a X scooter is recommended.

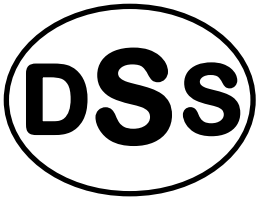
_____ Temperature tolerance: Lithium-Ion batteries contain a solvent. This solvent can boil if the battery is subjected to high temperatures. Boiled solvent can lead to catastrophic failure, often during subsequent charging. 60 Degrees C / 140 degrees F are the absolute maximums for this battery. These temperatures can be reached by exposing the battery in the black scooter bodies to the sun. Do not store these batteries in hot locations, car trunks etc. Avoid prolonged exposure of the black Scooter hulls to the sun. Cover with a light colored damp towel. This battery includes internal circuitry that will disable the battery if it detects excessive temperatures, this circuit reduces the hazards associated with excessive temperatures, but does not eliminate them.

_____ Charging: Lithium-Ion batteries require specific chargers. Use only the furnished charger. Do not use any other charger including the NiMh charger furnished with X scooters. Recharge only in areas free of flammable materials. Do not recharge unattended.

_____ Runtimes: These Lithium-Ion batteries have been determined to provide approximately 400% of the runtimes typically delivered by the NiMh batteries furnished with X scooter. There will be no minimum run time specified. Individual runtimes are influenced by many factors, pitch settings, gear configurations, skill of the operator etc

_____ Cycle life: Lithium-Ion batteries are an immature technology. Improvements in cycle life, cell reliability, temperature tolerance, maximum discharge rates, and capacity are routinely seen. This makes any long term testing of a given cell type or battery using these cells problematic. Cycle life is unknown and unproven. No guarantees are made regarding cycle life. No guarantees are made regarding capacity reduction per cycle, or per year. It is anticipated that 100's of cycles will be realized, and that capacity loss will be gradual and predictable over time. No long term multi unit testing has been done on this exact configuration of cells, in this exact application. All predictions and expectations are based on extrapolation of information from similar applications. Purchase of, and use of this battery includes both economic risks and risks to personal safety.

_____ Flooding: The design of an X scooter is such that intrusions of small volumes of water into the hull regardless of pressure, or intrusion of large volumes of water at low pressures should not result in a flooded battery. Flooded batteries are still a possibility. Battery packs of similar design have been subjected to flooding with Sea water at depth without dramatic failure. The flooded batteries were no longer serviceable. While it is not anticipated that such flooding will result in dramatic failures, no such guarantee is made.



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____ Transportation: Lithium-Ion batteries of this size and weight are considered to be hazardous materials, as covered by DOT CFR 49, Parts 173.185, and 172.102. Transportation is prohibited on passenger airlines. This greatly impacts the ease of transportation. These batteries cannot be legally carried on to passenger aircraft, carried as checked baggage on passenger aircraft, or shipped without a hazardous materials declaration, by a licensed carrier. Other prohibitions and regulations may exist for both domestic and foreign shipments.

____ Instructions and warnings: Accompanying this battery will be specific warnings and instructions. These must be read, understood and followed. Any questions regarding use, charging, transport or storage should be fully resolved prior to placing this battery into service.

____ Trim Weighting: This battery is a “drop in” replacement for the NiMh battery furnished with the X scooter. It is not however identical in length or weight. Adjustments to trim weighting will be required when switching between Lithium-Ion batteries and NiMh batteries.

Executed by _____ on _____
signature date

print name

Witnessed by _____ on _____
signature date

print name