

CAUTION! Please Read!

Installation

The Shuriken Lithium Iron Phosphate Rechargeable Battery can be mounted in any direction as long as it is secured and safe from short circuits and/or movement.

- Do not use an undersized battery for the job. If the terminal voltage drops below 10V, the battery is too small.
- The battery is very light and does not require force to mount and can be crushed with battery retention systems.
- Do not over tighten battery terminals, the tightening torque should not exceed 8 ft-lbs max.
- The power of the lithium battery is twice that of a lead battery. Be extremely careful when making connections. Short circuits will flow large amounts of current, enough to melt metal.
- Parallel connections of the lithium battery is not recommended. Current flowing from one battery to another cannot be considered 100% safe.
- Do not expose the lithium battery to temperatures above 140 F°, the aging process for most batteries is especially sensitive to high temperatures.

Charging

The Lithium battery is highly voltage sensitive and is most vulnerable to damage during charging. It is important that the charging process of the battery be fully understood before proceeding.

The lithium battery will ship at less than 100%, so it is recommended that the new battery be charged upon receipt.

- Only use a battery charger designed for Lithium batteries, maintenance free, flooded, de-sulfation mode or float mode chargers will harm the battery.
- Remove the battery charger once the battery is 100% charged. Over charging the battery will harm the lithium cells.
- Continuous charging must be avoided. A battery can be left on a charger overnight but not more than (8) hours.
- Lithium batteries may be stored for up to (6) months at 77 F° and then a refreshing charge is required.
- Lithium batteries do not have a “memory effect” so they do not have to be empty before recharging. If the terminal voltage is below 10V, call for assistance before charging.
- Open circuit voltage should be 12.8V when fully charged after resting for (8) hours. If not, the battery should be taken out of service and checked for capacity, cell balance, and state of health before resuming operation.

Warnings

- Do not short circuit the terminals.
- Do not crush, puncture, submerge or dispose of in water or fire. The battery is not waterproof.
- Do not attempt to open, disassemble or service the battery pack.
- Disconnect the battery before welding or soldering anywhere on the vehicle.
- Lithium batteries contain flammable gases. Have a plan in place to respond to possible fires or personal injury, including burns.
- Parallel wiring of these batteries is not recommended. It is not considered 100% safe. If connection is unavoidable, take precaution with switches and fuses.



PROP 65 WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer or birth defects or other reproductive harm. Wash hands after handling.

For more information, visit www.P65Warnings.ca.gov

Warranty

- 1 year limited warranty on all Shuriken Lithium batteries.
- Warranty only covers manufactures defects

Warranty does not cover

- Misuse or abuse
- Improper installation or charging
- Physical damage that can include but not limited to damage to the case caused by impacts, drops, or improper use of battery mounting hardware.

Technical support

Phone: 386-257-1187

Email: techsupport@metra-autosound.com

Please visit website for additional specifications and information.

www.shurikenonline.com

Battery Temperatures

Nominal

77° F (25° C)

Operating Temperature Range

Charge: 14° - 113° F (-10 – 45°C)

Discharge: -4° - 176° F (-20 – 40°C)

Storage Temperature Range

Less than 1 year: -4° - 77° F (-20 – 25°C)

Less than 3 months: -4° - 104° F (-20 – 40°C)

Returns

All Returns must be approved by Metra and RA# will be issues for the return to be issued. Please contact your sales person for the complete RA process. Must be shipped through UPS with DOT and FAA approved shipping protocols that include static-free wrapping and a specially marked, secure box. All of these supplies can be found at your local UPS store. Cost of shipping is the responsibility of the customer. Metra Electronics will not be responsible for cost of shipping.