



PEAK DETECTING BALANCE CHARGER



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2-CELL LIPO (2s) USB-C CHARGER INSTRUCTIONS

Covers Part #2920



FIRE HAZARD!

Charging and discharging batteries has the potential for fire, explosion, serious injury, and property damage if not performed per the instructions. Before use, read and follow all manufacturer's instructions, warnings, and precautions. Traxxas does not recommend that anyone under the age of 18 charge or use or handle LiPo battery packs without the supervision of a knowledgeable and responsible adult. **This battery charger is designed for use ONLY with Traxxas iD® 2-cell LiPo (2s) batteries.** Legacy Traxxas High-Current Connectors, non-Traxxas batteries, and non-Traxxas connectors are not compatible with this charger. **DO NOT** try to force legacy connectors into the charge connector. **DO NOT** modify the charger.

- This is a Traxxas iD charger and **ONLY** charges Traxxas iD batteries. Charge only 2-cell LiPo (2s) battery packs with this charger.
- **DO NOT** use a non-Traxxas charger or non-iD Traxxas charger to charge Traxxas iD batteries.
- Never use NiMH or NiCad-type chargers or charge modes to charge LiPo batteries. **DO NOT** charge LiPo batteries with a NiMH-only charger. The use of a NiMH or NiCad charger or charge mode will damage LiPo batteries and may cause fire, personal injury, and/or property damage.
- **NEVER** charge LiPo battery packs in series or parallel. Charging LiPo packs in series or parallel may result in improper charger cell recognition and an improper charging rate that may lead to overcharging, cell imbalance, cell damage, and fire.
- **ALWAYS** inspect your LiPo batteries carefully before charging. Look for any loose leads or connectors, damaged wire insulation, damaged cell packaging, impact damage, fluid leaks, swelling (a sign of internal damage), cell deformity, missing labels, or any other damage or irregularity. If any of these conditions are observed, **do not** charge or use the battery pack. Follow the disposal instructions included with your battery to properly and safely dispose of the battery.
- **DO NOT** store or charge LiPo batteries with or around other batteries or battery packs of any type, including other LiPo batteries.
- Store and transport your battery pack(s) in a cool dry place. **DO NOT** store in direct sunlight. **DO NOT** allow the storage temperature to exceed 140°F or 60°C, such as in the trunk of a car, or the cells may be damaged and create a fire risk.
- **DO NOT** disassemble LiPo batteries or cells.
- **DO NOT** attempt to build your own LiPo battery pack from loose cells.
- This charger is not a toy and is not intended to be used by children under the age of 18 without responsible adult supervision.
- **BEFORE** you charge, **ALWAYS** confirm that the charger is correct for the battery being charged.
- **DO NOT** attempt to charge batteries that have an internal charge circuit or a protection circuit or batteries that have missing or unreadable labels, preventing you from properly identifying the battery type and specifications.
- **DO NOT** let any exposed battery contacts or wires touch each other. This will

WARNING! CAUTION! DANGER!



cause the battery to short circuit and create the risk of fire.

- While charging or discharging, place the battery (all types of batteries) in a fire retardant/fire proof container and on a non-flammable surface such as concrete.
- **DO NOT** charge batteries inside of an automobile. **DO NOT** charge batteries while driving in an automobile.
- **NEVER** charge batteries on wood, cloth, carpet, or on any other flammable material.
- **ALWAYS** charge batteries in a well-ventilated area.
- **REMOVE** flammable items and combustible materials from the charging area.
- **DO NOT** leave the charger and battery unattended while charging, discharging, or anytime the charger is ON with a battery connected. If there are any signs of a malfunction or in the event of an emergency, unplug the charger from the power source and disconnect the battery from the charger.
- **DO NOT** operate the charger in a cluttered space, or place objects on top of the charger or battery.
- If any battery or battery cell is damaged in any way, **DO NOT** charge, discharge, or use the battery.
- Keep a Class D fire extinguisher nearby in case of fire.
- **DO NOT** disassemble, crush, pierce, short circuit, or expose the batteries to flame or other source of ignition. Toxic materials could be released. If eye or skin contact occurs, flush with water.
- If a battery gets hot to the touch during the charging process (temperature greater than 110°F / 43°C), immediately disconnect the battery from the charger and discontinue charging.
- Allow the battery pack to cool off between runs (before charging).
- **ALWAYS** unplug the charger and disconnect the battery when not in use.
- **ALWAYS** unplug the battery from the electronic speed control when the model is not in use and when it is being stored or transported.
- **DO NOT** disassemble the charger.
- **REMOVE** the battery from your model or device before charging.
- **DO NOT** expose the charger to water or moisture. For indoor use only.
- **DO NOT** use an adapter of any kind or modify or change the battery plug/connector.
- **ALWAYS** store battery packs safely out of the reach of children or pets. Children should always have adult supervision when charging and handling batteries.
- Always proceed with caution and use good common sense at all times.

Australia: This charger may be used by persons (including children over 18 years old) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the charger in a safe way and understand the hazards involved. Do not allow children to play with the charger. Children require adult supervision while using this charger.

About the Traxxas 2-cell LiPo (2s) USB-C Peak Detecting Balance Charger

The Traxxas #2920 Battery Charger is a fully featured LiPo (Lithium Polymer) charger. It will charge one 2-cell Traxxas iD® LiPo battery with 2-amp charge current for fast charging and advanced peak detection to optimize every charge. **A USB-C power source, such as a portable power bank (battery source) or AC power adapter, and power cable (sold separately) are required for use.**

TERMS OF USE - The buyer assumes all risk associated with using this product. Traxxas, its affiliates, manufacturers, distributors, and retail partners cannot control the use, application, charging or installation of this product and shall not be held responsible for any accident, injury to persons, or damage to property resulting from the use of this product. Read and follow all provided instructions, information, and warnings. After reading all provided information, if you do not agree with these terms and conditions and are not prepared to accept complete

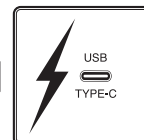
liability for the use of this product, return this product immediately in new/unused condition to your place of purchase. Your hobby dealer absolutely cannot accept product for return or exchange if it has been used in any way.

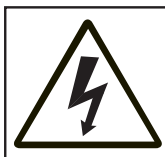
If you have any questions, call Traxxas Customer Support at 1-888-TRAXXAS (1-888-872-9927), outside the US at +1-972-549-3000, or e-mail support@traxxas.com.

RECOMMENDED POWER ADAPTER AND POWER CABLE

| Part No. | Description |
|----------|--|
| 2912* | Power adapter, AC, USB-C (45W) |
| 2916* | Power cable, USB-C, 100W (high output) |

*Sold separately





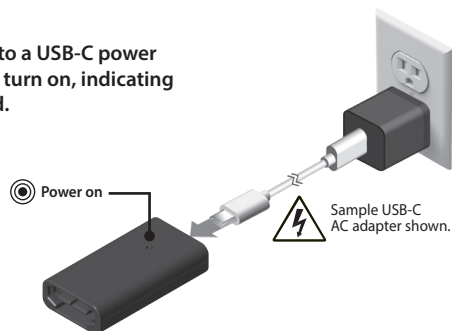
⚠ CAUTION: SHOCK HAZARD!

For indoor use only when using AC power adapters.
DO NOT expose the charger to water or moisture.

Operation

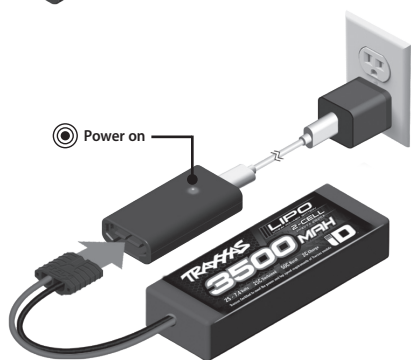
1

Plug the USB-C cable into a USB-C power source. The red LED will turn on, indicating that power is connected.



2

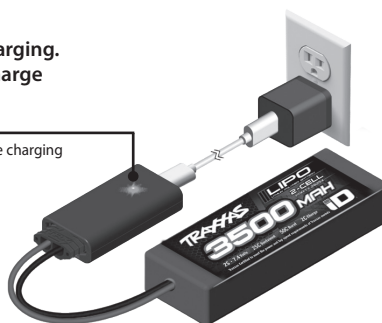
Connect a Traxxas iD 2-cell LiPo (2s) battery to the charger to begin charging.



3

The LED will flash green during charging. The number of flashes indicates charge progress.

Battery connected
LED flashes green while charging



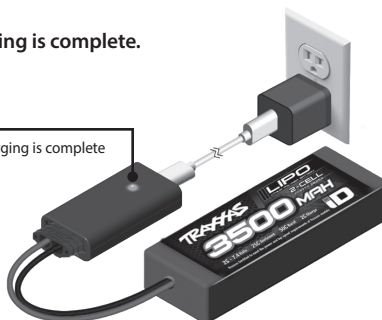
CHARGE PROGRESS

| | |
|-----------------|---------------------|
| 1 green flash | 0 - 25% charged |
| 2 green flashes | 25% - 50% charged |
| 3 green flashes | 50% - 75% charged |
| 4 green flashes | 75% or more charged |
| Solid green LED | 100% charged |

4

When the LED is solid green, charging is complete.

Battery connected
LED solid green when charging is complete



STATUS LED INDICATION

| STATUS LED INDICATION | MEANING |
|---------------------------|---|
| Solid Red LED | Ready for Charging |
| Slowly Flashing Green LED | Charging (see Charge Progress chart) |
| Solid Green LED | Battery Fully Charged |
| Flashing Red LED | Charger Error (see Charger Error Codes) |

Clearing errors

If there is a problem with the battery or the power adapter, the charger's LED will flash red. See error codes and recommended solutions below. If the error code repeats or will not clear, contact Traxxas Customer Support.

| LED INDICATION | MEANING | SOLUTION |
|---------------------------|---|--|
| 1 red flash | Power source error | Disconnect battery and USB-C power source. Check power source for compatibility. |
| 2 red flashes | Battery voltage is too high or too low | Disconnect and discontinue use of battery. |
| 3 red flashes | The charger timer has expired | Disconnect battery. If battery is hot, discontinue charger use. If battery is not hot, reconnect to continue charging (this may happen when connected to a low output power source). |
| 4 red flashes | The internal charger temperature is too high | Disconnect charger and allow charger to cool. |
| 5 red flashes | The detected battery does not match the charger configuration | Disconnect battery; battery is not compatible with the charger. |
| 6 red flashes | Battery connected to charger before USB-C power supplied | Disconnect battery; wait for solid red LED on charger before reconnecting battery. |
| Alternating red and green | Charger has detected an internal error | Disconnect battery and power adapter. Discontinue charger use. |

Charging tips

- The charger MUST be connected to USB-C power BEFORE connecting the battery. If the battery is connected before connecting to USB-C power, the charger will show an error (red LED flashes 6 times and repeats). To correct, unplug the battery and the charger. Plug in the charger to USB-C power, and then connect the battery to be charged.
- The charger requires 10W or greater output from the USB-C power source to operate.
- The charge output current varies depending on the available power from the USB-C power source. To ensure the maximum charge rate, use a USB-C power source rated at 20 watts or higher and compatible with Quick Charge 3.0 (QC 3.0). Traxxas USB-C AC Power Adapter (part #2912) and Power Cable (part #2916) are designed to deliver the full charge output from the charger.

Limited Warranty Information

Traxxas electronic components are warranted to be free from defects in materials and workmanship for a period of 30 days from the date of purchase.

Limitations: Any and all warranty coverage does not cover replacement of parts and components damaged by abuse, neglect, improper or unreasonable use, crash damage, water or excessive moisture, chemical damage, improper or infrequent maintenance, accident, unauthorized alteration or modification or items that are considered consumable. Traxxas will not pay for the cost of shipping or transportation of a defective component to us. This warranty is limited to the charger only and does not cover batteries, vehicles and other accessories used in conjunction with the charger.

Traxxas Lifetime Electronics Limited Warranty

After the expiration date of the warranty period, Traxxas will repair electronic components for a flat rate. Please visit [Traxxas.com/support](https://www.traxxas.com/support) for a current schedule of warranty costs and fees. The covered repairs are limited to non-mechanical components that have NOT been subjected to abuse, misuse, or neglect. Products damaged by intentional abuse, misuse, or neglect may be subject to additional charges.

If you have questions or need technical assistance, call Traxxas at

1-888-TRAXXAS

(1-888-872-9927) (U.S. residents only)