

REEDY POWERED

324S COMPACT BALANCE CHARGER

OWNER'S MANUAL

#27201

Congratulations on your purchase of the Reedy 324-S Compact Balance Charger.

Easy to use and in a compact package, Reedy's 324-S is specifically designed to balance charge LiPo and LiFe batteries in 2-4S configurations making it suitable for a variety of applications using modern battery technology.

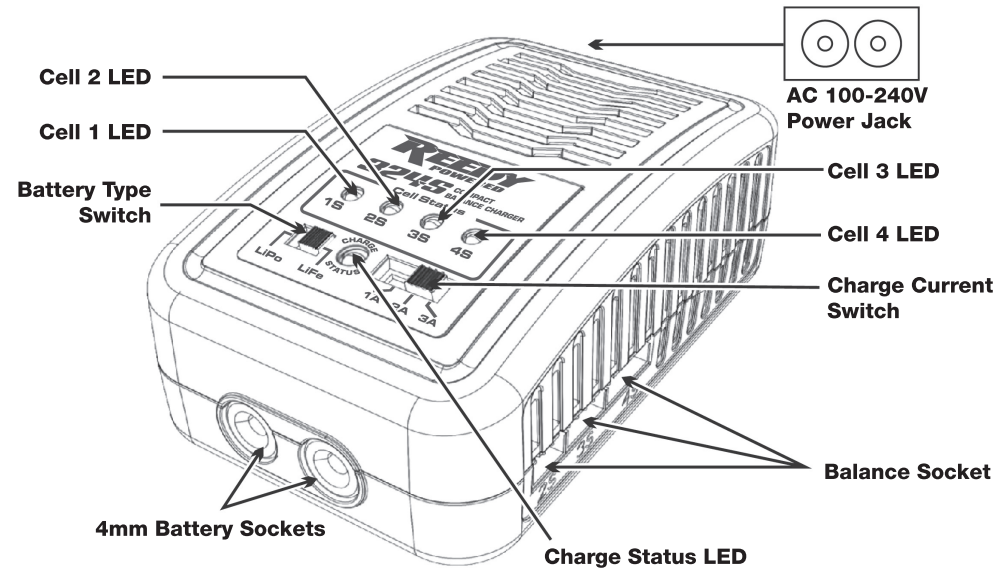
Please read the following instructions before operating your charger for the first time.

FEATURES

- AC 100-240V power input
- LiPo/LiFe compatible
- 1A/2A/3A selectable charge rate
- LED charge status indicators
- 4mm output ports
- T-plug charge lead included
- Integrated XH-style balance ports
- Reverse and short-circuit protection
- Compact size

SPECIFICATIONS

AC Input	100-240V, 50-60Hz
Battery Type	LiPo/LiFe
Cell Count	2-4 Series
Charger Circuit Power	30W
Charge Rate	1A/2A/3A Selectable
Dimensions (mm)	110.7x 69.4 x 40.5
Weight (g)	195
Charge Connector	4mm sockets/T-Plug
Balance Connector	XH



SAFETY PRECAUTIONS

This product is a sophisticated hobby product and not a toy. It must be operated with caution and common sense. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or property. This product is not intended to be used by children without direct adult supervision. It is essential to read and follow all instructions and warnings found in this manual prior to installation, set up, and use, in order for the product to operate properly and to avoid damage or injury.

WARNINGS

- **ALWAYS** observe warnings, cautions, and instructions included with your battery.
- **NEVER** charge a battery that is swollen or appears damaged in any way.
- **NEVER** charge any battery type other than LiPo or LiFe. This charger is not compatible with lithium ion, NiMH, NiCd, or lead acid batteries.
- **ALWAYS** place the battery and charger on a heat-resistant, non-flammable, and non-conductive surface away from flammable materials and volatile materials.
- **ALWAYS** place the battery in a fireproof container during the charging process.
- **ALWAYS** double-check all connections prior to starting the charging process.
- **NEVER** leave the charger unsupervised during use. If any malfunction is observed, immediately terminate the charging process.
- **ALWAYS** remove the battery from the charger and unplug the charger from the wall when not in use.
- **NEVER** leave the battery plugged into the charger when the charger is unplugged from the wall
- **NEVER** unplug the charge lead from the 4mm Battery Sockets while the battery is still plugged into the charge lead.
- **NEVER** use a damaged charger, AC power cord, or charge lead.
- **ALWAYS** keep the charger away from moisture, dust, heat, direct sunlight and vibration. Do not drop it.

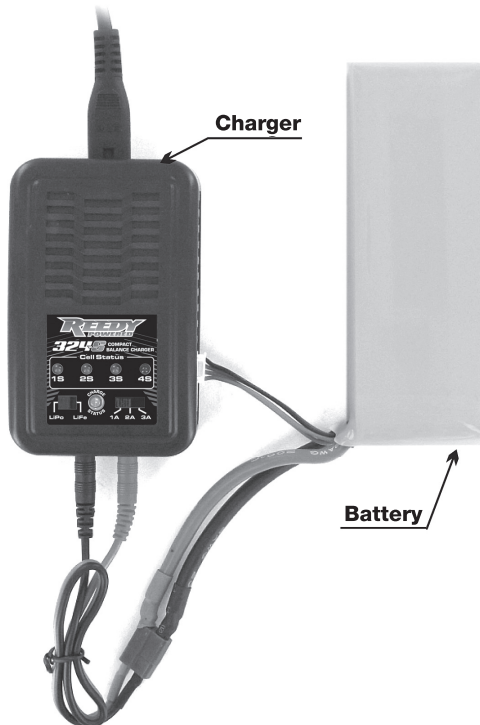
CONTENTS

1. Reedy 324-S Charger
2. AC Power Cord
3. T-Plug Charge Lead



POWERING YOUR CHARGER

Insert the AC power cord into the charger, place the charger on a non-flammable surface, and then plug the AC power cord provided into an appropriate wall socket. When plugged in, all LEDs will light red for one second and then the Charge Status LED will blink green to indicate that the charger is ready to use.



CHARGING PROCEDURE

1. Insert the appropriate charge lead into the positive (+) and negative (-) Battery Sockets.
2. Select the battery type (LiPo/LiFe) using the Battery Type Switch.
3. Use the Charge Current Switch to select a charging current of 1, 2, or 3 amps. Determine the correct charge rate by consulting with the manual included with your battery.
4. Connect the battery to the charger by plugging it into the charge lead. Plug the balance connector into the appropriate balance port. Place the battery in a fireproof container on a non-flammable surface.
5. The charge process will begin automatically indicated by a red Charge Status LED. The Cell Status LEDs will light red depending on the number of cells (1-4) being charged. When a Cell Status LED is flashing, this cell is being discharged as part of the balancing process.
6. When the charging process is completed, the Charge Status LED will turn green. During the charging process, the Charge Status LED will turn from red to orange when the battery has reached 90% capacity and then turn green once full capacity is reached. The charging process can be stopped at any time by removing the battery from the charger.
7. Disconnect the battery from the charger and unplug the charger from the wall socket.

CAUTION! NEVER LEAVE THE CHARGER AND BATTERY UNATTENDED DURING THE CHARGING PROCESS.

LED CHARGE STATUS

Determine a battery's charge status by viewing the Charge Status/Cell Status LEDs.

LED CHARGE STATUS		
Charge Status LED	Green blinking	Ready to charge
	Red solid	Charging
	Orange solid	Battery has reached 90% capacity
	Green solid	Charging process complete
Cell Status LED	Red solid	Cell charging
	Red blinking	Cell discharging

LED ERROR STATUS

If the charger detects an error, a code will be displayed by the Charge Status/Cell Status LEDs.

LED Status	Error Message	Solution
Charge Status + Cell 1	Individual cell voltages differ by more than 300mV	Discontinue use of the battery
Charge Status + Cell 2	Bad connection	Check the connection between the battery and charge lead
		Check the connection between the charge lead and the Battery Sockets
Charge Status + Cell 3	Over-current protection	Discontinue use of the charger and return it to the manufacturer for service
Charge Status + Cell 4	Reverse Polarity	Check that the battery is plugged into the charge lead correctly
		Check that the charge lead is plugged into the Battery Sockets correctly

WARRANTY

Your Reedy 324-S Compact Balance Charger is warranted to the original purchaser for 90 days from the date of purchase, verified by the sales receipt, against defects in material and workmanship. Product that has been mishandled, abused, used incorrectly, used for an application other than intended, or damaged by the user are not covered under warranty. Associated Electrics Inc. is not liable for any loss or damage, whether direct or indirect, incidental or consequential, or from any special situation, arising from the use, misuse, or abuse of this product.



26021 Commercentre Dr., Lake Forest, CA 92630 USA • www.ReedyPower.com