

REEDY
POWERED

423S
COMPACT BALANCE CHARGER



INSTRUCTION MANUAL

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616

INTRODUCTION

Congratulations on your purchase of the Reedy 423-S 35W Compact Balance Charger.

Easy to use and in a compact package, all functions are controlled with a single button. The charging process is as simple as connecting your battery, selecting the battery type, and pressing the start button.

Because the 423-S is capable of charging LiPo, LiFe, NiMH, or NiCd batteries, it's a one-stop solution for enthusiasts who want the flexibility to charge a variety of different battery types and configurations for a variety of vehicle types and scales.

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



FEATURES

- AC 100-240V power input
- LiPo/LiFe/NiMH/NiCd compatible
- Automatic charge rate selection
- Automatic capacity and cell count detection
- Simple one-button operation
- LED charge status indicators
- T-plug output connector
- Integrated XH-style balance ports
- Reverse and short-circuit protection
- Safety timer

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.

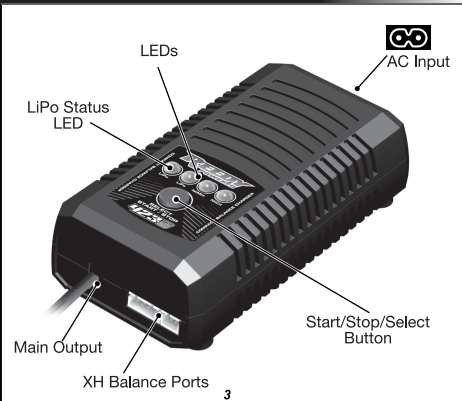
WARNINGS

- **ALWAYS** observe warnings and cautions included with your battery.
- **NEVER** charge a LiPo battery that is swollen or appears damaged in any way.
- **NEVER** charge any battery type other than LiPo, LiFe, NiMH, or NiCd. This charger is not compatible with lithium ion 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
- **ALWAYS** keep the charger away from moisture, dust, heat, direct sunlight and vibration. Do not drop it.

SPECIFICATIONS

AC Input	100-240V (360-330W)	
Charger Circuit Power	35W	
Maximum Charge Rate	4.0A	
Cell Count	LiPo/LiFe	2S - 3S
	NiMH/NiCd	1-8 Cells
Dimensions (mm)	128 x 66 x 37	
Weight (g)	206	
Charge Connector	T-Plug	
Balance Connector	XH	

OVERVIEW AND CONTENTS



POWERING YOUR 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, the LiPo Status LED will turn green.

CHARGING PROCEDURES

- Connect the battery to the charger by plugging it into the charger's Main Output and place the battery in a fireproof container on a non-flammable surface. If charging a LiPo or LiFe battery, the battery's balance connector must be plugged into the appropriate Balance Port.



- Press the Start/Stop/Select button to select the desired battery type depending upon the battery type currently connected.
- To start the charging process, press and hold the Start/Stop/Select button until the green LED turns red to indicate that the charging process has started. The charge rate is automatically determined (maximum 1.5C or 35W) based on the charger's calculation of the battery's capacity and internal resistance to ensure a safe charge. **NEVER leave the charger and battery unattended during the charging process.**
- When the charging process is completed, the status LED will turn green. When charging a LiPo or LiFe battery, the Status LED will turn orange when the battery has reached 90% capacity and then turn green once fully capacity is reached. The charging process can be stopped at any time by pressing the Start/Stop/Select button.
- Disconnect the battery from the charger and unplug the charger from the wall socket.

Note: When the charging process begins, a two hour internal safety timer is automatically started. If the battery pack malfunctions or fails to finish charging within two hours, the timer will automatically stop the charging process and all Battery Type/Status LEDs will blink green.

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