WATSON™

RC LiPo Battery with XT60 Connector

Thank you for choosing Watson

This lithium-polymer (LiPo) battery features an XT60 connector commonly found in remote-controlled (RC) vehicles, including many quadcopters and drones. This battery offers a 2,200 mAh capacity and 20 C discharge rate in a compact, lightweight size that is ideal for an airborne RC vehicle. Please read and follow these precautions and keep this manual in a safe place.

GENERAL PRECAUTIONS

Do not strike, bend, or short-circuit this battery.

Do not attempt to disassemble this battery or replace the bare cells.

Do not throw this battery into a fire or soak it in liquid.

Do not store this battery in an environment that may exceed 104°F (40°C).

If you are using this battery with an RC vehicle, always return the vehicle to a state of rest when battery power is running low.

Dispose of used or damaged batteries according to local regulations.

Store this battery in a partially charged state and out of the reach of children.

All photos are for illustrative purposes only.

CHARGING PRECAUTIONS

Before using this battery for the first time, fully charge it with a LiPo-specific balance charger that has the proper JST-XH connection for the battery (see diagram).

Charge LiPo batteries only with LiPo-specific balance chargers. Other types of chargers are not recommended.

Battery charging currents should never exceed the manufacturer's specified maximum. Higher charging currents may result in insufficient charging, inadequate performance, overheating, and leakage.

Charge this battery at a maximum of 4.25 V per cell. Series charging is not recommended.

Charge this battery only in environments with temperatures between 59°F and 95°F (15°C and 35°C). Temperatures outside this range may lead to insufficient charging and inefficient charging and discharging. If the battery's surface temperature exceeds , terminate charging immediately.

Make sure to properly connect the positive (+) and negative (-) electrodes of the battery and to strictly avoid reverse charging. Reverse charging can destroy the battery cells, reduce the charging and discharging performance, and/or result in overheating, leakage, and unsafe performance.

If anything abnormal occurs during the charging process, terminate charging immediately.

USAGE PRECAUTIONS

Always check the battery pack's voltage before use. The voltage difference between any two cells should be within 30 mV. If the voltage difference is between 30 and 100 mV, we recommend recharging the battery. If the voltage difference between two cells is greater than 100 mV, you will need to recharge the battery. Failure to do so may cause the cell with lower voltage to over-discharge and can lead the battery to swell and overheat. It can also cause a shorter cycle-life and adversely affect the battery's performance.

Do not exceed the battery's maximum discharge rate. Doing so may cause the battery to overheat and swell, which can lead to a shorter cycle life, generally deteriorated performance, breakage, or an internal short-circuit.

During the discharge process, make sure the battery temperature does not exceed 149°F (65°C). If the battery temperature exceeds 149°F (65°C), stop using the battery immediately and let it cool to room temperature. Temperatures exceeding 149°F (65°C) may result in battery swelling and inadequate performance.

Make sure the cut-off voltage is not lower than 3.0 V. Lower cut-off voltages may lead to over-discharging and adversely affect the battery's performance. We recommend a cut-off voltage no lower than 3.3 V.

STORAGE AND TRANSPORTATION PRECAUTIONS

Use caution when transporting this battery. Make sure to pack it in soft materials for protection. Avoid severe vibrations, shocks, and high temperatures during transportation.

During long-term storage, this battery should be stored at approximately 3.8 V/cell (approximately 50% charged) or in the semi-electric status at approximately 3.8 V. To maintain the battery, charge it fully and discharge it 50% once a month.

Store this battery in an environment with low humidity and a temperature range of -4°F to 104°F (-20°C to 40°C).

SPECIFICATIONS

Connector:	*XT60*
Capacity:	*2,200 mAh*
Maximum discharge rate:	*20 C*
Configuration:	*3 S*
Voltage:	*11.1 V*
Dimensions (W x H x D):	*1.3 x 0.9 x 4.2 in. (3.3 x 2.3 x 10.7 cm)*
Weight	*6.2 oz. (175.8 g)*

ONE-YEAR LIMITED WARRANTY

Watson provides a limited warranty to the original purchaser that this product is free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. Watson's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at Watson's discretion, of any product that fails during normal consumer use. Inoperability of the product or part(s) shall be determined by Watson. If the product has been discontinued, we reserve the right to replace it with a model of equivalent quality and function.- To obtain warranty coverage, contact Watson to obtain a return merchandise authorization ("RMA") number, and return the defective product to Watson, along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk.This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, WATSON MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

WATSON™
A **Gradus Group** Brand