

# INSTRUCTION MANUAL

## BATTERY DISCHARGER & ANALYZER

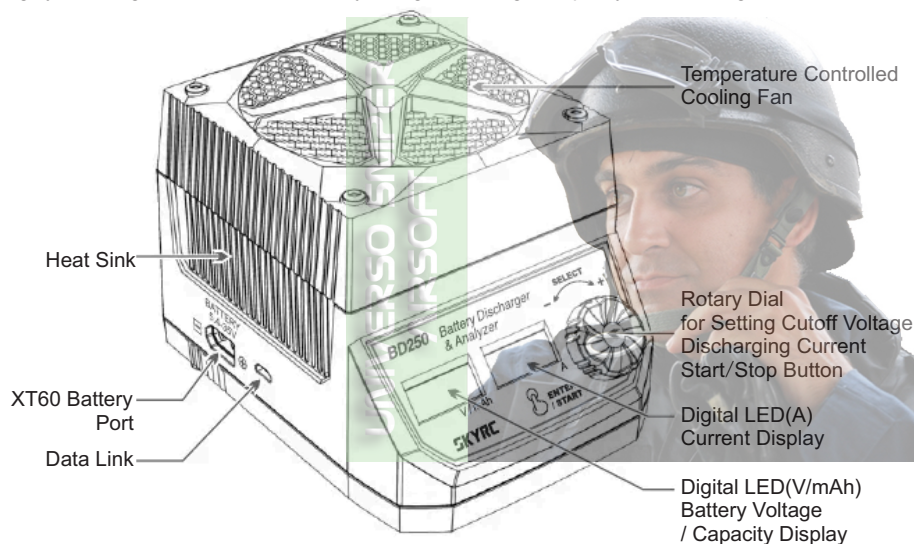
**SKYRC**  
SK-600133

### INTRODUCTION

Thank you for choosing the SkyRC Battery Discharger & Analyzer (BD250). The BD250 is a powerful discharging device that allows the user to discharge a battery at up to 35 amps or 250 watts and also measures and compares the performance of batteries. BD250 allows for the precise measurement of battery capacity and takes the guesswork out of choosing the best battery for your application.

The BD250 is much more than a simple battery discharger or a battery load tester. It will test virtually any type or size of battery, any chemistry or number of cells, up to 35 volts.

The BD250 is ruggedly built and uses XT60 connector for battery connection. It is small with a high performance cooling system. Digital LED indicates battery voltage, discharged capacity and discharge current.



### SPECIFICATION

Accepted Voltage Range: **5.40-35.00V**  
 Low Voltage Alert: **<5.2V**  
 High Voltage Alert: **>35V**  
 Max. Discharge Power: **250W**  
 Discharge Current Range: **0.01A-35.00A**  
 Current Consumption in Sleep Mode: **<100uA**  
 Capacity Display Accuracy: **±3%**

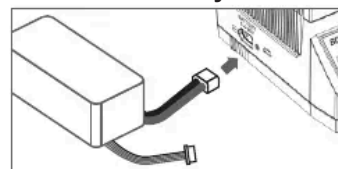
Current Display Accuracy: **0.01-10.00A ±60mA**  
**10.00-35.00A ±3%**  
 Voltage Display Accuracy: **5.4-10V ±80mV**  
**10-20V ±120mV**  
**20-35V ±160mV**  
 Dimension: **136.6x104.8x107mm**  
 Weight: **879g**

### FEATURES

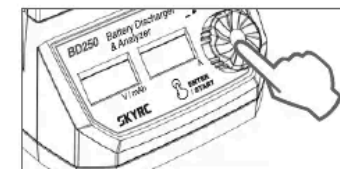
- It displays real time battery voltage, discharged capacity and discharge current.
- It can test battery capacity that helps select batteries with desired capacity.
- It saves time when user wishes to store their large capacity batteries.
- It helps activate the best performance of your batteries for competition.

### OPERATION

#### 1. Connect battery to BD250



#### 2. Power ON



Press the dial once to power ON the discharger, the LED(V/mAh) will blink with beep sound.

#### 3. Select cut-off voltage and discharge current



The LED(V/mAh) shows the current battery voltage. By rotating the dial to change cut-off voltage, then press dial once to confirm.

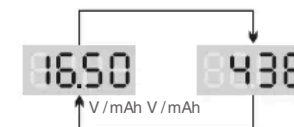


By rotating the dial to change discharge current.

#### 4. Start discharging process.

Press and hold dial for 2 seconds, the discharger will start with beep sound.

During the discharging process, the digital LED(V/mAh) will alternate the display of battery voltage and discharging capacity.



#### 5. Stop discharging process.

During the discharging process, Press the dial once to stop the discharging process, the digital LED(A) shows "Stop".



#### 6. Process finished.

When the discharging process has finished, the discharger will beep 5 times, and the LED(V/mAh) will show battery voltage and discharge capacity respectively.

#### NOTE:

After the discharge process completes, rotate the button to view the real-time battery voltage every 30 seconds for the first six minutes.

At certain intervals, the slower the voltage reduces during discharge, the better the battery performances.

This feature can help to select good-performance battery for your race or flight.

UNIVERSO SIMPER  
AIRSOFT



UNIVERSO SIMPER  
AIRSOFT

UNIVERSO SIMPER  
AIRSOFT



UNIVERSO SIMPER  
AIRSOFT