G0270 GD200 Discharger

INSTRUCTION MANUAL

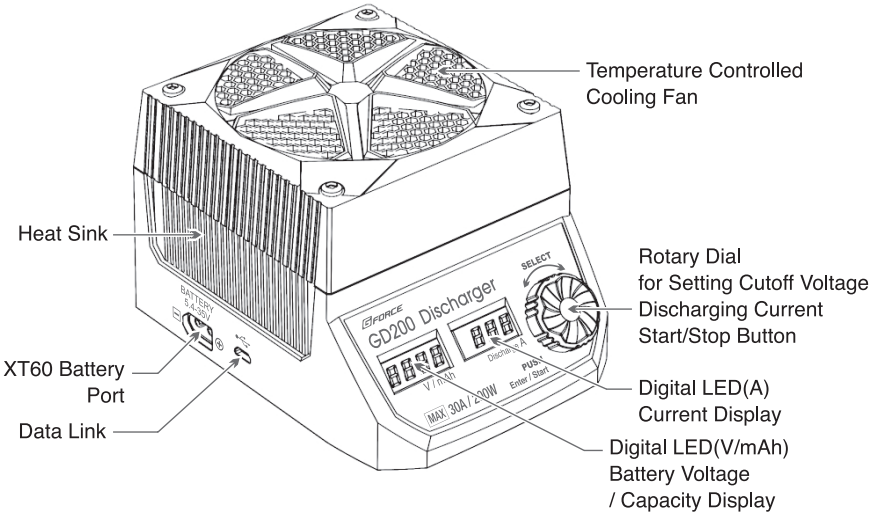
Ver1.00

INTRODUCTION

Thank you for choosing the G-FORCE Battery Discharger & Analyzer (GD200). The GD200 is a powerful discharging device that allows the user to discharge a battery at up to 30 amps or 200 watts and also measures and compares the performance of batteries. GD200 allows for the precise measurement of battery capacity and takes the guesswork out of choosing the best battery for your application.

The GD200 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 GD200 is ruggedly built and uses XT60 connector for battery connection. It is small with a high performance cooling system. Digital LED indicates battery voltage, discharge capacity and discharge current.

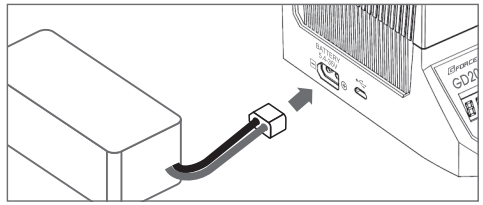


FEATURES

- 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.

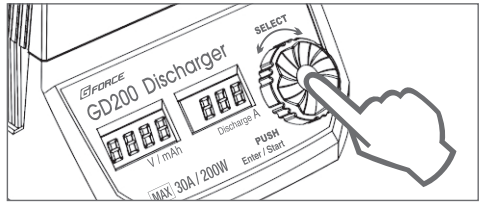
OPERATION

1. Connect battery to GD200

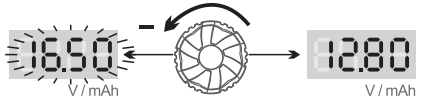


2. Power ON

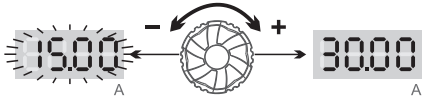
Press the dial once to power ON the discharger, the LED(V/mAh) will blink with beep sound.



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.

MAXIMUM DISCHARGE POWER CHART

Battery Type	No. of Cell	Min. Cut-off Voltage	Voltage	Min. Discharge Current (A) Discharging power: 200W	Max. Discharge Current (A) Discharging power: 200W
LiPo	2S	6.0	8.40	23.80	30.00
	3S	9.0	12.60	15.87	22.20
	4S	12.0	16.80	11.90	16.60
	5S	15.0	21.00	9.52	13.30
	6S	18.0	25.20	7.93	11.10
	7S	21.0	29.40	6.80	9.52
	8S	24.0	33.60	5.95	8.33
LiHV	2S	6.2	8.70	22.98	30.00
	3S	9.3	13.05	15.32	21.50
	4S	12.4	17.40	11.49	16.12
	5S	15.5	21.75	9.19	12.90
	6S	18.6	26.10	7.66	10.75
	7S	21.7	30.45	6.56	9.21
	8S	24.8	34.80	5.74	8.06
NiMH	6S	5.4	9.00	22.22	30.00
	7S	6.3	10.50	19.04	30.00
	8S	7.2	12.00	16.66	27.77
	9S	8.1	13.50	14.81	24.69
	10S	9.0	15.00	13.33	22.22
	11S	9.9	16.50	12.12	20.20
	12S	10.8	18.00	11.11	18.51
	13S	11.7	19.50	10.25	17.09
	14S	12.6	21.00	9.52	15.87
	15S	13.5	22.50	8.88	14.81
	16S	14.4	24.00	8.33	13.88
	17S	15.3	25.50	7.84	13.07
	18S	16.2	27.00	7.40	12.34
	19S	17.1	28.50	7.01	11.69
	20S	18.0	30.00	6.66	11.11

ERROR MESSAGE

When there is an error, digital LED will display the error code

Over-temperature protection.

Input voltage is too high. This discharger accepts battery voltage from 5.4 to 35V, if voltage higher than 35V, it will stop working and show error message.

Input voltage is too low. This discharger accepts battery voltage from 5.4 to 35V, if voltage lower than 5.4V, it will stop working and show error message.

SPECIFICATION

Accepted Voltage Range	5.40-35.00V
Low Voltage Alert	<5.2V
High Voltage Alert	>35V
Max. Discharge Power	200W
Discharge Current Range	0.01A-30.00A
Current Consumption in Sleep Mode	<100uA
Standby Current	≤35mA

Current Display Accuracy	0.01-10.00A ±60mA
	10.00-30.00A ±2%
Voltage Display Accuracy	5.40-10V ±60mV
	10-20V ±120mV
	20-35V ±160mV
Capacity Display Accuracy	±3%
Dimension	136.6x104.8x96mm
Weight	858g

SAFETY NOTE

Improper usage may lead to fire, property damage and physical injury.

- Never discharge a battery below its recommended cutoff voltage. Over-discharge may damage battery and cause FIRE or EXPLOSION.
- Never discharge a battery at a higher discharge rate than it is designed for.
- Never leave the discharger unattended when it is connected to battery. If any malfunction is found, TERMINATE THE PROCESS AT ONCE.
- Place the discharger and battery on a non-flammable surface, and keep away from inflammables.
- Never discharge swollen, leaky, or damaged batteries.
- Batteries shall be discharged within a room temperature range of 10-40°C.
- Disconnect the battery and discharger once discharging has finished.
- Recharge batteries immediately with an appropriate battery charger after discharge process is completed. Some battery types do not like to remain discharged for extended periods of time.

Products by
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