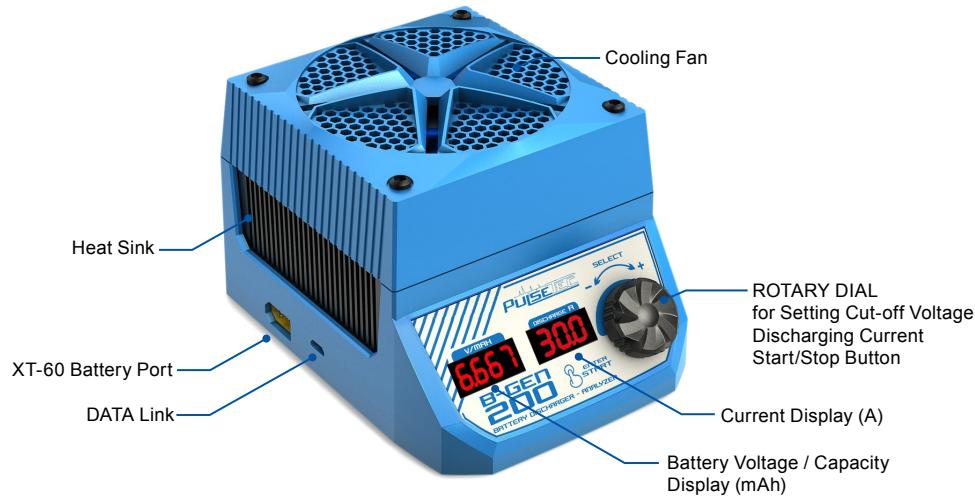


INTRODUCTION

Thank you for choosing the **PULSETEC** Battery Discharger & Analyzer **B-GEN 200**. The **B-GEN 200** 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. **B-GEN 200** allows for the precise measurement of battery capacity and takes the guesswork out of choosing the best battery for your application.

The **B-GEN 200** 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 **B-GEN 200** 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.



SPECIFICATIONS

Accepted Voltage Range :	5,40 - 35,00V	Voltage Display Accuracy:	5.4-10V ±60mV
Low Voltage Alert :	<5,2V		10-20V ±120mV
High Voltage Alert :	>35V		20-35V ±160mV
Max Discharge Power :	200W	Capacity Display Accuracy :	±3%
Discharge Current range :	0,01A - 30,00A	Dimension :	136x105x96mm
Current consumption in Sleep Mode . . .	<100uA	Weight :	858g
Standby Current :	<35mA		
Current Display Accuracy:	0.01-10.00A ±60mA		
	10.00-30.00A ±2%		

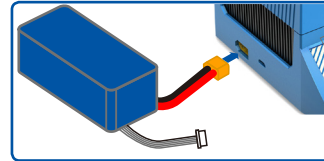


FEATURES

- 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.

FEATURES

1- BATTERY CONNECTION

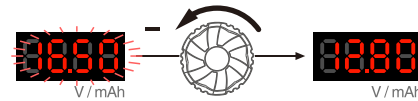


2- POWER ON

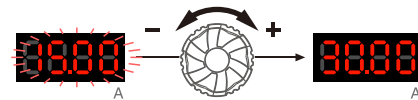


Press the Dial once to power ON the discharger, the LED (V/mAh) will blink with beep sound.

3- SELECT CUT-OFF VOLTAGE AND DISCHARGE CURRENT



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

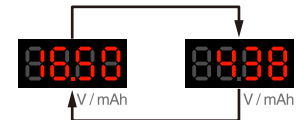


Use the Dial button to modify the discharge current

4- START DISCHARGING PROCESS

Press and hold Dial button 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".




5- 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.


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.

PC SOFTWARE

- PC software supplied with the B-GEN 200 is easy to use, intuitive.
- There are two discharge mode: Constant Power and Constant Current.
- The software can automatic sensing of battery cell count and recommends a minimum safe discharge voltage.
- Discharge tests may be viewed in Amp Hours, Watt Hours or Minutes.
- Results can be graphed as Voltage vs. Amp hours, Watt hours, Minutes.



SAFETY NOTE

- Never discharge a battery below its recommended cut-off 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.

WARRANTY AND SERVICE

We guarantee this product to be free of manufacturing and assembly defects for a period of 12 or 24 months from the time of purchase. The warranty only applies to material or operational defects, which are present at the time of purchase. During that period, we will repair or replace free of service charge for products deemed defective due to those causes. You will be required to produce proof of purchase (invoice or receipt). This warranty is not valid for any damage or subsequent damage arising as a result of misuse, modification or as a result of failure to observe the procedures outlined in this manual.

DURATION OF VALIDITY

The claim period is 24 months from the date of purchase of the product by the consumer from a dealer in the European Community (EC) counted from the date of purchase. The claim period is 12 months from the date of purchase of the product by the consumer from a dealer outside the European Community (EC) counted from the date of purchase. If a defect arises after the end of the claim period, or if evidence or documents required according to this declaration in order to make the claim valid are not presented until after this period, then the consumer forfeits any rights or claims from this declaration. The guarantee period is not prolonged by the granting of any claims within the framework of this warranty, especially in the case of repair or replacement. The guarantee period also does not restart in such cases.

WARRANTY EXPIRATION

If we do not acknowledge the validity of a claim based on this declaration within the claim period, all claims based on this declaration will expire after six months from the time of registering the claim; however this cannot occur prior to the end of the claim period.



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