

INTERSTATE® GARDIAN™ 1

1.2AMP
12V

MULTI-PURPOSE BATTERY CHARGER + MAINTAINER



⚠ WARNING: This product can expose you to chemicals, including Vinyl-Chloride, Styrene and Acrylonitrile, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

ULTIMATE CHARGE PROTECTION



IMPORTANT SAFETY INSTRUCTIONS - READ THESE FIRST

1 SAFETY

- 1.1
Read this manual carefully before using the charger.
- 1.2
To avoid causing any dangers, please read and follow the notice in the manual clearly.
- 1.3
Do not expose the charger to rain or snow.
- 1.4
Use of the accessories not sold by the manufacturer may result in injury of person or damage of property.
- 1.5
Do not pull the cord when you are disconnecting the AC power. Please pull the plug only rather than cord when disconnecting charger.
- 1.6
Do not use extension cord for the charger unless absolutely necessary.
- 1.7
Please replace the power cord or plug when any one of them are damaged.
- 1.8
Please replace the plug set when it is getting loose.
- 1.9
Please remove the plug from the power and the clamps from the battery when you are going to clean the charger.

2 PREPARTION BEFORE CHARGING

- 2.1
Make sure the battery posts are clean and in good condition before charging.
- 2.2
The battery type must match the charger's working capability.
- 2.3
Connect the cable set and attach the clamps to the battery posts in the correct battery post polarity.
- 2.4
Make sure the AC power matches the charger input requirement.

3 CONNECT THE CHARGER



DO NOT CHARGE BATTERY TYPES OUT OF THE CHARGER'S WORKING CAPABILITY.



3.1

Start charging:

- a. Connect the red and black clamps to the positive and negative battery posts.
- b. Connect the power cord to the AC power source.

Finish charging:

- a. Disconnect the AC power cord/plug from the power source first.
- b. Disconnect the charger and the clamp cable set.
- c. Remove the clamps from the battery posts.



TO AVOID DANGER, DO NOT HAVE THE CLAMPS IN CONTACT WITH EACH OTHER.



3.2

Make sure the charger clamps connect to the battery posts firmly. It may cause danger or stop charging when the clamps come loose from the battery posts. Cleaning and maintaining the charger clamps and battery posts will enhance the charging efficiency and life of the charger.

3.3

The LED indicator on the charger:

Yellow LED - Charging.

Green LED - Charged/The battery is full and does not need to be charged.

Red LED - Error. (Please remove the power source and check for a possible problem. Restart charging after the problem is solved.)

4 LED INDICATOR & TROUBLESHOOTING



WHEN THE RED INDICATOR IS ON, PLEASE CUT OFF THE AC POWER SOURCE AND REMOVE THE CHARGER CLAMPS FROM THE BATTERY POSTS. THEN CHECK THE PROBLEM.



4.1

Yellow LED - Charging.

Green LED - Charged/The battery is full and does not need to be charged.

Red LED - Error.

4.2

Troubleshooting

- A. The battery voltage is too low ($< 1V$): Please replace the battery.
- B. Not charging:
 - 1. Check to ensure the clamps are connected to the correct battery posts. (Red clamp to the positive post and Black clamp to the negative post)
 - 2. Check if the cables or plugs are damaged.
 - 3. Check if any of the clamps are loose from the battery posts. Reconnect the clamps to the battery posts correctly.

5 CHARGING WHEN BATTERY IS OUTSIDE VEHICLE

5.1

The charger input requirement is AC100-240V. Double-check if the AC power input is correct.



DO NOT MAKE ANY ADJUSTMENTS TO THE AC POWER PLUG PRIVATELY. IT WILL CAUSE DANGER OR DAMAGE TO THE USERS.



6 DAILY MAINTENANCE

6.1

Read and follow the manual. Please clean the case and all the accessories for the charger frequently or after every use. Do not expose the charger to the elements on a rainy day or snowy day.

6.2

Do not disassemble the charger privately. Please get in touch with customer service at amz@ibsa.com.

7.1

To replace under warranty in the U.S., call 1.800.972.4100
For limited warranty, see interstatebatteries.com/guardian.



Distributed by Interstate Batteries, Dallas, TX 75251 USA
interstatebatteries.com