

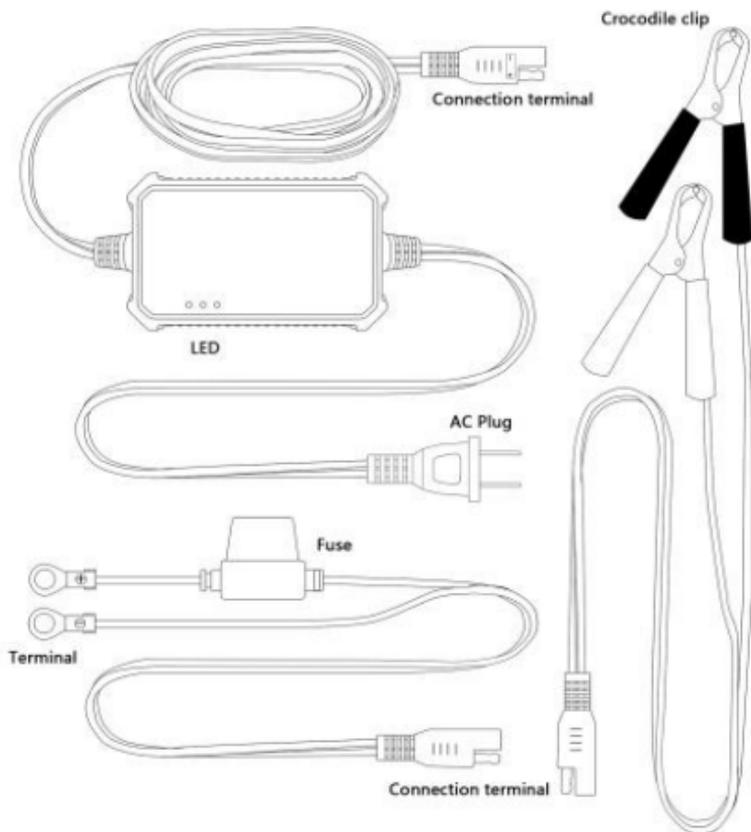


# Instruction Manual

Automatic Battery Charger

12V 1000mA

## Product Diagram



## Description

Foval Automatic Battery Charger is an automatic battery charger and battery maintenance device all in one. Because it charges at a rate of only 1 amps per hour, Foval Automatic Battery Charger is best used as a trickle charger. This means that the battery is charged slowly over a long period of time -- usually several hours for a typical 12-volt car battery and up to several days for a marine or deep cycle battery. Fortunately, operating a Foval Automatic Battery Charger is fairly easy, even for those unaccustomed to the use of battery chargers.

## Package Contents

- 1 x battery charger
- 1 x Cable with Battery Clamps Connector
- 1 x Cable with O-ring Terminal Connector

## Features

- Slip on a heavy pair of work gloves and some form of eye protection, such as goggles or safety glasses. Batteries contain acid, which is capable of producing severe burns and eye damage. If the battery is in the vehicle, detach any guards, shields or covers that obscure the battery terminals.
- Place the Foval Automatic Battery Charger in a safe location as far away from the battery as the cables will allow. If the battery is still in a vehicle, ensure all cables are away from any moving parts, such as hinges or fan blades.
- Attach the positive (red) clip or ring of the Foval Automatic Battery Charger

to the positive battery terminal. For a battery still in the vehicle, attach the negative (black) clip or ring to the engine block or solid portion of the frame. Never connect to fuel lines, sheet metal or any part of a carburetor. For a battery removed from the vehicle, connect the positive clip as normal. Then attach a battery extension cable to the negative terminal. You must then connect the extension cable to the Battery Charger's negative clip/ring.

- Connect the Foval Automatic Battery Charger's power cord to an AC power outlet. If necessary, use a quality extension cord. Unless you are using the Foval Automatic Battery Charger to maintain a fully charged battery, the red indicator light should twinkle. This lets you know the connections are good and the battery is charging.
- While the battery is charging, if the battery voltage is lower than 8.5V, the battery will be small current to charge with 0.1 amps automatic, battery maintenance batter; When the battery voltage is up to 8.5V, the battery will be charged with bulk charging process with 1amps; If CV(Constant Voltage)Absorption to voltage 14.6V, this is a charge cycle for batteries nearly full. It will top off the battery at 14.6VDC; When the battery is nearly full, the battery charger will be the float mode charging with 0.02amp. During the charging, the red light is on, when the battery is the float mode, the red light is off and the yellow light is on.
- Disconnect the Foval Automatic Battery Charger from the electrical outlet once the battery has a full charge. Then unhook the clips/rings from the terminals. If you wish to maintain the battery's charge, you may allow the Foval Automatic Battery Charger to remain connected to the battery.
- Foval Automatic Battery Charger has the feature such as high efficiency and high reliability,and it also has the protection function such as short-circuit

protection,over voltage protection and over current protection.

## Specifications

Input Voltage	AC 100-240V
Output Voltage	DC 12V
Input Current Limiting	<0.5A
Output Current	1.0A±0.2A@12V
Standby Input Power	<0.5W
Body Size	L:3.89×W:2.43×H:1.28 inch
AC power cord length	17.5 inch
DC Power cord length	85 inch
Operating Ambient	-10C° ~ 50C°
Non-operating Ambient	- 40C° ~ + 70C°
Operating Humidity	25%~90% relative humidity
Non-operating Humidity	10%~90% relative humidity

## LED Indicaton

LED is Greed	Working normally
LED is Red	Charing
LED is Twinkle Red	Error
LED is Yellow	Charge complete

## Tip

- check Clean the battery terminals if necessary. You may use a wire brush or terminal cleaning brush. Corroded or dirty terminals may interfere with the charging of the battery. If you have a traditional flooded battery, check the fluid/electrolyte level within the battery. If the level is low, refill with distilled water. Do not, however, overfill the battery. A battery that is low on electrolytes will not charge correctly.

## Warning

- close Keep all open flames away from the battery. Never charge a battery in a poorly ventilated area. Also never disassemble your Foval Automatic Battery Charger. If it malfunctions, take it to a qualified technician.

This battery charger have 18 months warranty,

If you have any concern,

Please do not hesitate to contact to us.

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