

SAVE YOUR AUTOMOBILE FUEL COST UPTO 15%
By Using our VA-BOX**

Eclectic Current ballast for automobiles

VA-BOX

Car Fuel Care Solution



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Introduction

VA-BOX is new innovative product market by Vizro Technologies, having Great features and easy to install, it can reduce your Automobile's fuel cost up to 15%** in all type of Vehicles, just plug VA-BOX and save 15%** fuel cost instantly,

Worried about fuel cost? Partner of thrifty drivers! Wise choice for the era of high oil price! VA-BOX is electric current ballast for automobiles to achieve the initially designed fuel efficiency

- 1. Simple installation**
- 2. Applicable to all vehicle types**
- 3. Stably maintaining voltage**
- 4. Checking low/ high voltage of vehicle**

Why VA-BOX is necessary?

VA-BOX stabilizes vehicle voltage just by being plugged into cigar jack of the vehicle, therefore enhances combustion efficiency and improves the vehicle output.

VA-BOX, the electric current ballast for automobile, why is it necessary?

In general, engine of a vehicle is driven by using power supplied from battery. Driving of this engine rotates alternator to generate electric power. It is then supplied to electric devices to require power, such as battery, distributor, lighting devices, horn, wipers and AV system, etc. In automobile system with the above configuration, alternator is generally designed to produce the output of 13.6V ~ 14.5V in a passenger vehicle. To maintain app. 12V of battery charge, the min. of 13.6V ~ 14.5V of voltage must be maintained. However, the maximum voltage of a car battery is only app. 12.4V~ 12.7V even when there is no load. The voltage becomes lowered when additional electric loads are applied, such as for heater or lighting devices, etc. Continuation of such low-charged state rapidly reduces the lifespan of battery and, accordingly, deteriorates engine efficiency of the automobile.



****Truck: 25.4V ~ 28V Product**

Automobiles become frequently subject to lighting load to cause overflow as current higher than the rated current of the vehicle by several tens ~ hundreds of times is instantly flown in when various electric devices of lamp, etc., are lit to instantly reduce voltage supplied to alternator or battery. Furthermore, in automobiles applied with electric and electronic control circuit to use semiconductor elements and electric parts of many contact points, such as relay and electronic parts, etc., a variety of electronic noises, such as high-frequency noise and spark noise, are flown into the power of device to control the vehicle. This results in instability of engine output control, therefore leads to increased fuel consumption in engine and such problems as pollution and unnecessary fuel consumption due to incomplete combustion

In fact, the electricity of app. 12V supplied to ignition device is converted into high-voltage electricity of 25,000V or higher as it passes through ignition coil. This implies that the initially supplied voltage is increased by more than 2000 times. Even a difference in voltage supply by 0.1V due to instable voltage results in the difference by more than 200V when voltage is supplied to ignition plug. This causes incomplete combustion, therefore decrease in output and increased discharge of exhaust gas.

*****When current for automobile is stabilized, complete combustion is carried out to enhance fuel efficiency***

To handle such voltage fluctuation, automobiles are installed with voltage regulator to stabilize voltage.

However, voltage regulator works only when current value is large in alternator, etc. Also, with noise of extremely short wavelength, voltage regulator cannot appropriately respond to flow-induced noise by numerous invisible electromagnetic waves generated due to using of electronic devices or pulse noise generated when turning on or off electronic devices. Voltage regulator is used to produce stabilized voltage that is lower than the input voltage by controlling input voltage that is higher than the output. Therefore, voltage regulator cannot appropriate handle instant occurrence of rapidly low voltage



Product Features

VA-BOX stably maintains car voltage.
VA-BOX is applicable to all vehicle types!!
VA-BOX is simple to install.
VA-BOX is applicable to all vehicle types.
VA-BOX stably maintains voltage
VA-BOX checks low/ high voltage of vehicle.

1. VA-BOX is simple to install.

.-VA-BOX installation is simply completed by plugging in power jack to cigar jack of your vehicle. VA-BOX is conveniently installed by women, aged and those experiencing difficulties in handling machinery. (For products currently available in the market, you must open the car hood and install battery.)

2. VA-BOX is applicable to all vehicle types.

VA-BOX can be used in all domestic and foreign vehicle types, such as of gasoline/ diesel/hybrid and LPG, etc. -Only VA-BOX can be used in large trucks of 24V. Lifespan of 2 years or longer is guaranteed

3. VA-BOX stably maintains voltage.

-In an automobile, the role of electricity is life blood and nerve cells in a human body. Instable electricity prevents the car from producing the optimal performance. Therefore, electricity not only is used to start up a car or turn on the lights, but also serves an important role to determine performance of a vehicle. Therefore, stable supply of electricity and successful operation of various electric devices are essential. In addition to the primary and secondary electricity required by a car, VA-BOX also suppresses interfering electricity abnormally generated by electric devices, therefore improves performance and function of a vehicle

4. VA-BOX checks low/ high voltage of vehicle.

-VA-BOX suppresses electric noise of a vehicle to automatically control voltage level suitable for the vehicle, therefore improves output and enhances combustion efficiency. VA-BOX checks battery and alternator state inside the car, therefore indicates the placement time. -11.4V, 23V or less: RED lamp-15.8V, 30V or more: GREEN lamp is lit to indicate low current/ over current state of engine.



Product Effects

- >> **Brightness of headlights enhanced**
- >> **Aging of battery prevented/ lifespan extended**
- >> **Sound production capacity of car audio improved**
- >> **Impact of automatic gear transmission alleviated**
- >> **Air conditioner voltage increased**
- >> **Start-up capacity during wintertime improved**
- >> **Engine output enhanced**

** In an automobile, the role of electricity is life blood and nerve cells in a human body. Instable electricity prevents the car from producing the optimal performance. Therefore, electricity not only is used to start up a car or turn on the lights, but also serves an important role to determine performance of a vehicle.

** Therefore, stable supply of electricity and successful operation of various electric devices are essential. In addition to the primary and secondary electricity required by a car, interfering electricity abnormally generated by electric devices lower the performance and function of a vehicle.

** VA-BOX improves performance of a vehicle by maintaining stable voltage by adjusting high/ low voltage generated during car operation and suppressing electric noise. With stable electric current supply, breakdowns caused by electronic/ electric devices are prevented and performance of your vehicle can be maximized.

VA-BOX suppresses impact of the interfering electricity, therefore stably supplies electricity. In theory, voltage of a vehicle must be maintained at the uniform level. However, voltage supply becomes instable due to insufficient capacity of alternator to charge battery, increased resistance of electric devices according to temperature change of vehicle and fluctuation in resistance according to changes in length or thickness of wires in electric devices. Accordingly, load occurs on electric devices and engine of a vehicle. This causes ill effect to performance of the vehicle and degrades engine efficiency.



Features of VA-BOX

Simple Installation

While the conventional fuel reduction devices need to be installed to electric devices or fuel supplying devices of a vehicle, VA-BOX, the new concept electric current ballast for automobiles, is completed of installation just by connecting it to cigar jack.

Improved Vehicle Performance/ Fuel Efficiency

VA-BOX applied with high-tech voltage and current control technology supplies the optimized electric current to improve performance of a vehicle and fuel/ combustion efficiency. Therefore, smooth take-off and pleasant driving experience can be achieved.

Output Effect

Improvement in fuel/ combustion efficiency, improvement in engine torque performance, reduction in engine noise, reduction in the effect of engine shaking, improvement in brightness of headlights, improvement in the efficiency of air conditioner, alleviation of impact in automatic transmission, purification of emission gas, improvement in sound quality of AV device.

Electric, Electronic and Voltage Related

Prevention of load in alternator, prevention of battery aging, expansion of lifespan, reduction in emission gas discharge, improvement in engine torque, reduction in engine noise.

Safe Driving

Low/ high voltage state of a vehicle is checked and informed to driver so that to inspect vehicle state in advance.

VA-BOX Manual

Installing VA-BOX

VA-BOX installation is completed just by plugging it in to cigar jack located inside a vehicle.

Features of VA-BOX

- Simple installation-Applicable to all vehicle types
- Stably maintaining voltage
- Checking low/ high voltage of vehicle



-Red lamp is lit in case of voltage of 11.4V (passenger vehicle)/ 23V (large vehicle) or lower ($\pm 3\%$). Red lamp turned on prior to starting up of vehicle indicates that battery state is not good. If red lamp is turned on during vehicle operation, it means generator state is not good. In above situations, visit your nearest mechanics for a checkup.

-Green lamp is lit in case of voltage of 15.8V (passenger vehicle)/ 30V (large vehicle) or higher ($\pm 3\%$). If green lamp is turned on before starting up vehicle or during vehicle operation, you must pull over and inspect your car.

Green lamp indicates over-voltage state of your car to cause problem during rapid acceleration or on the engine.

Make sure to pull over your vehicle and inspect it immediately.

-VA-BOX, the electric current ballast for automobiles, enables to produce fuel efficiency as was initially designed.

-VA-BOX effectively reduces electric noise of instant high/ low voltage and residual electricity floating in all electric circuits, therefore facilitates electricity flow to prevent lowering of engine performance by electricity.

-Instable voltage of a vehicle hinders 100% explosion, therefore causes incomplete combustion. VA-BOX maintains voltage at uniformed level at all times, therefore enhances output of your vehicle.

-VA-BOX improves fuel/ combustion efficiency, improves engine torque performance, reduces engine noise, improves brightness of headlights, improves air conditioner efficiency, alleviates impact in automatic transmission, purifies emission gas and enhances sound quality of AV devices.

-VA-BOX improves prevention of load in alternator, prevention of battery aging, extension of battery lifespan, reduction in emission discharge, reduction in engine noise and efficiency of engine torque.

Q&A on VA-BOX

(Q) Does VA-BOX produce the same effects in all vehicle types?

(A) VA-BOX produces effects in all vehicle types (greater effect in older cars).

(Q) I heard that products of the similar type mounted on car battery are more effective. Is VA-BOX inferior to other similar products in terms of performance?



(A) Some companies put up exaggerated advertisements or you might have had misunderstanding. No additional attachment (electric current ballast for automobiles) can make fuel efficiency become better than how it was initially designed on engine. It deserves a Nobel Prize if a car with the initially designed fuel efficiency of 10km can achieve the fuel efficiency of 15km with an additional attachment. VA-BOX helps your car achieve the fuel efficiency as was initially designed.

(Q) VA-BOX is plugged into cigar jack. Then, how does it improve fuel efficiency?

(A) An automobile is mounted with numerous electric circuits and electronic parts. These sometimes hinder the proper electricity flow. Compared to a human body, electricity in a car serves as blood. Problem in blood circulation causes many problems. VA-BOX reduces the possibility of decrease in engine performance caused by electricity as it facilitates electricity flow by effectively reducing instant high/ low voltage and residual electricity flowing through all electric circuits. In other words, VA-BOX enables accurate explosion in cylinder, therefore improves fuel efficiency.

(Q) I understand that fuel efficiency becomes better. Then, how does VA-BOX reduce exhaust gas?

(A) VA-BOX facilitates electricity flow by effectively reducing electric noise of instant high/ low voltage and residual electricity flowing through all electric circuits. Let's say an engine has been designed to explode 20 parts of mixed fuel with 10 parts of electricity. If 11 parts of fuel is supplied to 9 parts of electricity, engine explosion will be instable. 11 parts of electricity would not cause as great a problem. However, 9 parts of electricity will lead to explosion with incomplete fuel combustion. This generates exhaust gas. Therefore, as long as 10 parts of electricity is properly supplied, safe combustion will be carried out as designed. This will result to eliminate exhaust gas.

(Q) What is the principle of enhancing vehicle output?

(A) It is the same principle as reduction of exhaust gas. Fuel efficiency naturally becomes enhanced when fuel combustion takes place properly. It also results in reduction of exhaust gas. Likewise, complete combustion leads to better output of your car.

(Q) If related to electric devices, shouldn't VA-BOX be mounted on battery?

(A) Some products work only if they are installed on battery. However, VA-BOX facilitates electricity flow by effectively reducing electric noise of instant high/ low voltage and residual electricity. Therefore, all you



need to do is to make parallel connection with electric device at any part of your car

Warranties and after sales services policies.

Free After-Sale Service

Within 1 year from the date of purchase (If the date of purchase is unknown, warranty period is calculated from the date 1 month after the date of manufacturing. Make sure to enter date of purchase immediately after purchasing the product.)

Details of Free After-Sale Service-

Significant defect in the main body of product under normal circumstances: To replace the main body of product -Defect in components under normal circumstances: To replace components

Exceptions of Free After-Sale Service

Free after-sale service does not apply in the following cases. After-sale service is provided at cost. -Free after-sale service period expired-Defects on product caused by customer's negligence or incorrect handling - Defects on product caused by natural calamities, accident or natural disasters, etc.-To additionally purchase components or consumables - Other defects on product caused by reasons not related to defect in quality or performance of the product

Return and Refund-

Please send product back to us unopened and unused. Product cannot be returned if packaging has been opened and the product has been used(exceptions apply in case of product defect). -Product return and exchange are possible within 3 days after reception. (Please note that return, exchange or refund is not possible of products used by customer or damaged due to negligence of customer).

Inquiry / Order form

Name: _____
Address: _____
Country _____
Order type: _____
Order Quantity _____

