

VEVOR[®]

TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate

www.vevor.com/support

VOLTAGE SENSITIVE RELAY

MODEL: VSR001

We continue to be committed to provide you tools with competitive price.

"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

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NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

	<p>Warning-To reduce the risk of injury, user must read instructions manual carefully.</p>
	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.</p>
	<p>This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices</p>

IMPORTANT NOTES

- Before installation or use, it is imperative that users thoroughly read and comprehend all warning and safety messages provided with the product.
- For optimal safety, it is advisable to install a fuse between the Start Battery and the VSR.
- The VSR incorporates a built-in delay, allowing 3-5 seconds for the connection or disconnection process.
- The VSR is equipped with an integrated red indicator that illuminates when the VSR is engaged, indicating both batteries are connected.
- Individuals under the influence of alcohol or drugs, lacking experience, or Lacking professional knowledge is prohibited from using this unit.
- Avoid using or storing this VSR near heat sources, open flames, or exposure to flammable chemicals, vapors, or corrosive gases.
- Avoid disassembling the charger, as this may not only cause potential harm to you and the unit but also void the warranty.
- Disconnect the charger before engaging in maintenance or cleaning.

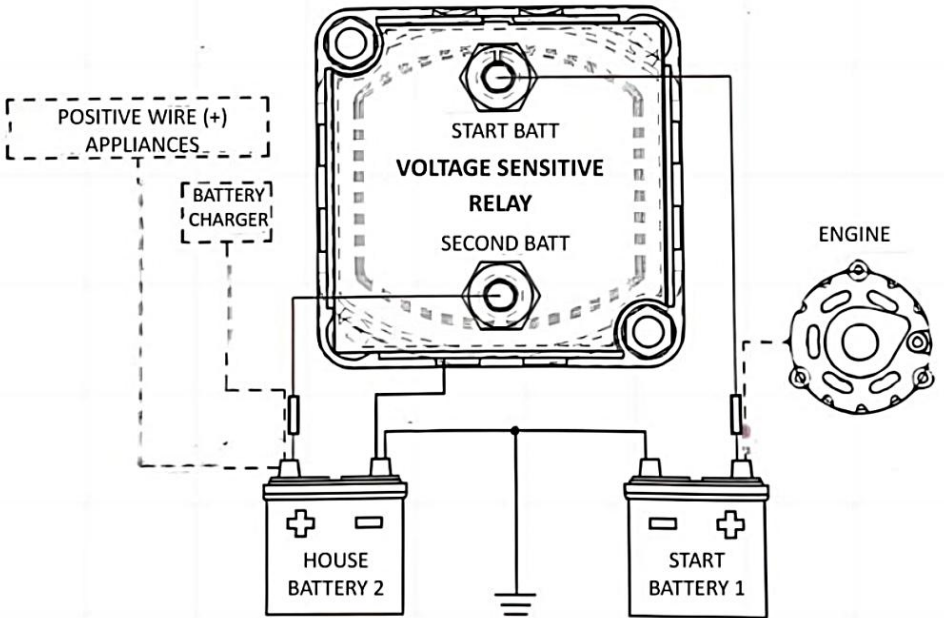
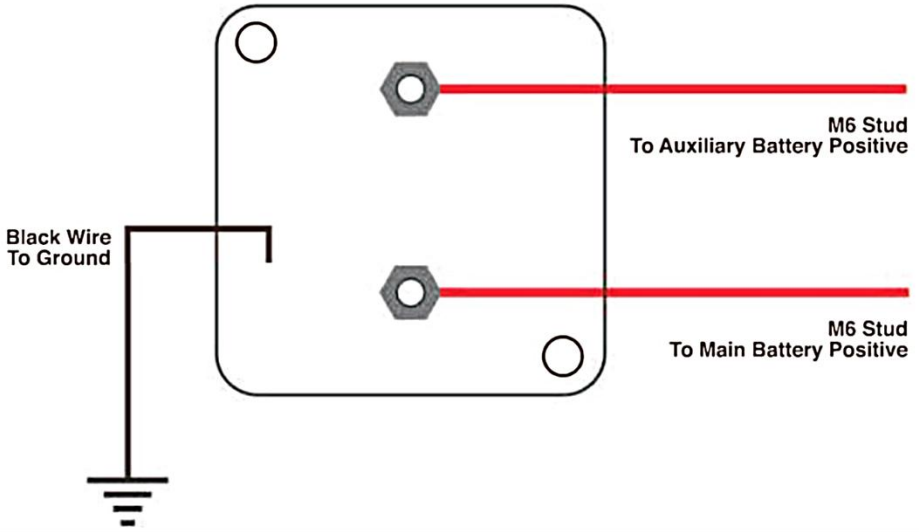
- Wear proper eye protection before initiating the charging process.
- Keep fresh water and soap on hand in case battery acid contacts the eyes in such an event. Cleanse immediately with soap and water for a minimum of 15 minutes and seek medical attention.
- Avoid smoking or having an open spark or fire near this unit.
- Regularly inspect the VSR for any damage. If damaged, avoid using it until repairs have been conducted.

IDENTIFICATION OF PARTS



Working status led

WIRING INSTRUCTIONS



TECHNICAL SPECIFICATIONS

Voltage	12V
Charging Current	90-120Amp Continuous, 140 Amp Max
Current Draw	Charging 330mA
Cut-in Voltage	13.3V
Cut-out Voltage	12.8V
Cut-out Delay	3-5 Seconds
IP Rating	IP67

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SUGGESTED SOLUTION
The LED stays off after engine is turned on	The negative wire of the LED is not connected.	Connect the negative wire of the LED.
The LED stays on after engine is turned off	System voltage has not dropped below 12.8V DC due to battery charging. VSR will disengage once residual battery voltage drops below 12.8 V DC.	Give it a few seconds, and the LED light will automatically switch off.
The VSR 'chatters'	Due to an undersized charging system for the batteries, the VSR faces operational challenges. When the start battery reaches the correct voltage and connects to the house battery, the system voltage momentarily drops below 12.8 volts, prompting the relay to automatically disconnect. Subsequently, as the voltage rises, the relay reengages, only to disengage again when the voltage drops, resulting in the distinctive 'chattering' sound as the relay rapidly switches in and out.	Replace the charging system.

ACCESSORIES LIST

1. Voltage Sensitive Relay *1
2. 7AWG Red Battery Cable *1
3. 7AWG Black Battery Cable *1
4. 25-8 Lug Cable End *1
5. 16-8 Lug Cable Ends *2
6. Blue Ring Terminal *1
7. Red Heat Shrink Tubing *2
8. Cable Ties *6
9. M4 x 40mm Screws *2
10. M4 x 20mm Screws *2
11. Battery Terminals *3
12. User Manual *1



Manufacturer: Shanghaimuxinmuyeyouxiangongsi

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EC	REP
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