

VEVOR[®]

TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate

www.vevor.com/support

VOLTAGE SENSITIVE RELAY

MODEL: VSR002

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

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NEED HELP? CONTACT US!

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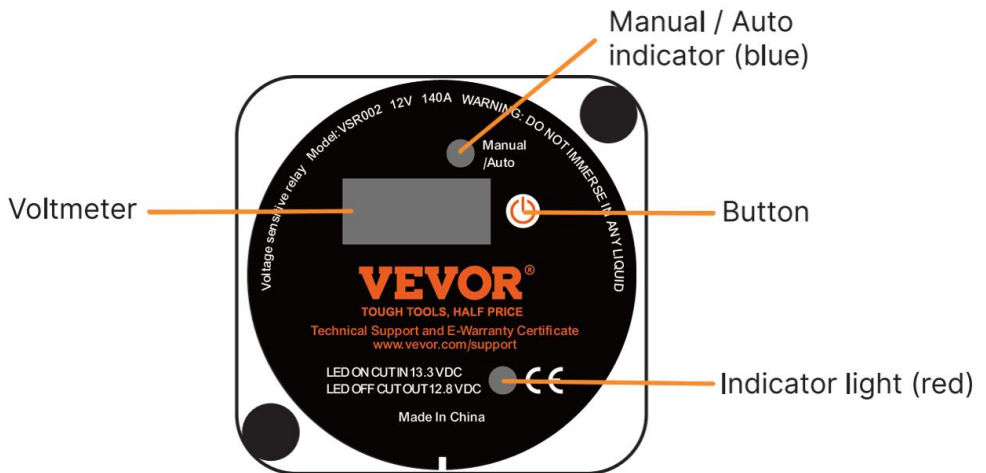
	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.
	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

IMPORTANT NOTES

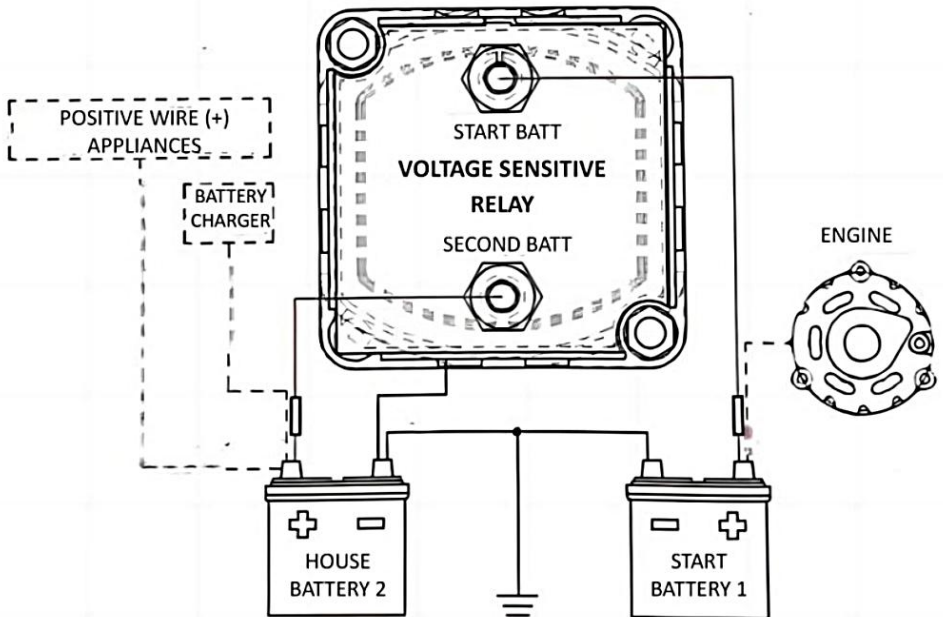
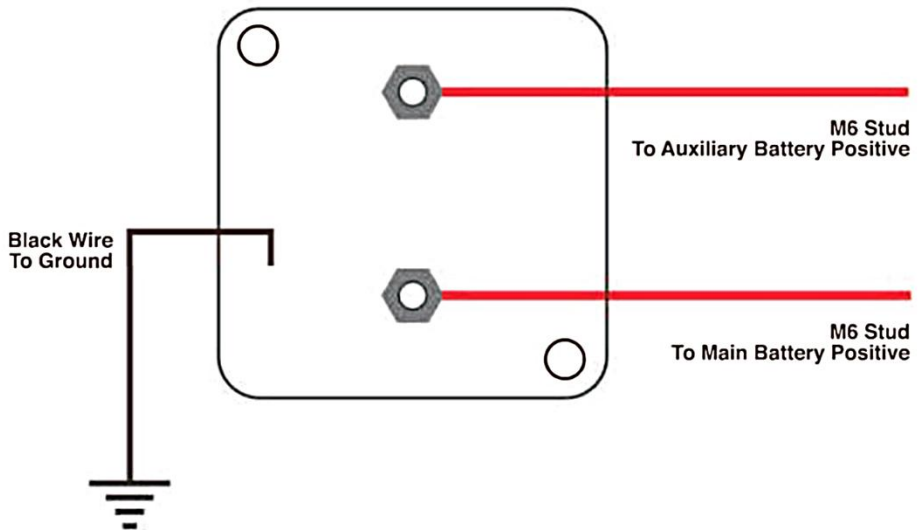
- Before installation or use, it is imperative that users thoroughly read and comprehend all warning and safety messages provided with the product.
- For optimal safety, it is advisable to install a fuse between the Start Battery and the VSR.
- The VSR incorporates a built-in delay, allowing 3-5 seconds 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.
- If the VSR fails to disconnect when turning off the vehicle's engine, try manual mode to turn it off.
- 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



WIRINGINSTRUCTIONS



HOW TO USE

●Automatic to Manual.

Press the switch button for 3 seconds.



Manual indicator is on.



Press the switch button again, the indicator at the bottom right will go out, indicating a disconnection.



Press the switch button once, the indicator at the bottom right will turn red, indicating a connection.



●Manual to Automatic.

Press the switch button for 3 seconds.



The manual indicator is off and the automatic mode is on.



●Automatic State.

1. When the input voltage exceeds 13.3V, the circuit will be connected automatically. The voltmeter and red (LED) indicator will also be ON.
2. When the input voltage drops below 12.8V, the circuit will be disconnected automatically. The voltmeter and red (LED) indicator will also be OFF.

●High & Low Voltage Protection.

1. When the input voltage reaches lower than 11V, the circuit will be Disconnected automatically to protect the main battery from over discharging.
2. When the input voltage exceeds 17v, the circuit will automatically disconnect to prevent potential damage to the auxiliary battery.

●Voltmeter Display.

1. if two batteries are connected, then the voltage displayed on the voltmeter is the battery that has higher voltage.
2. Only connect the battery that you would like to test the voltage and disconnect the other battery.
3. When the voltmeter is not working, press the button once, the voltmeter will display the value for 2 seconds.

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. 6AWG x 600 cm Red Battery Cable *1
3. 5AWG x 60cm 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

Address: Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi Shanghai

Imported to AUS: SIHAO PTY LTD, 1 ROKEVA STREETEASTWOOD NSW 2122
Australia

Imported to USA: Sanven Technology Ltd., Suite 250, 9166 Anaheim Place,
Rancho Cucamonga, CA 91730

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UK	REP
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RELAIS SENSIBLE À LA TENSION

MODÈLE: VSR002

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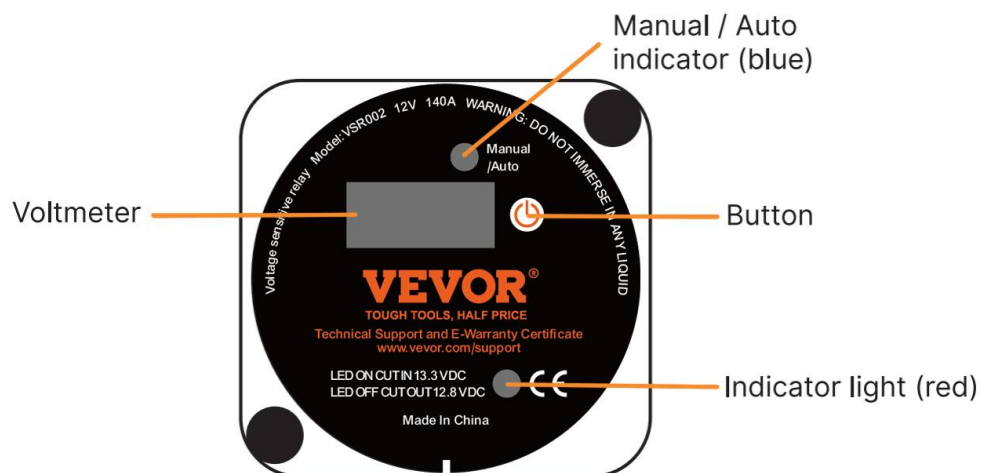
	Avertissement : Pour réduire le risque de blessure, l'utilisateur doit lire attentivement le manuel d'instructions.
	Cet appareil est conforme à la partie 15 des règles FCC. Son fonctionnement est soumis aux deux conditions suivantes : (1) Cet appareil ne doit pas provoquer d'interférences nuisibles et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences susceptibles de provoquer un fonctionnement indésirable.
 	Ce produit est soumis aux dispositions de la directive européenne 2012/19/CE. Le symbole représentant une poubelle barrée indique que le produit nécessite une collecte sélective des déchets dans l'Union européenne. Ceci s'applique au produit et à tous les accessoires marqués de ce symbole. Les produits marqués comme tels ne peuvent pas être jetés avec les ordures ménagères normales, mais doivent être déposés dans un point de collecte pour le recyclage des appareils électriques et électroniques.

IMPORTANT NOTES

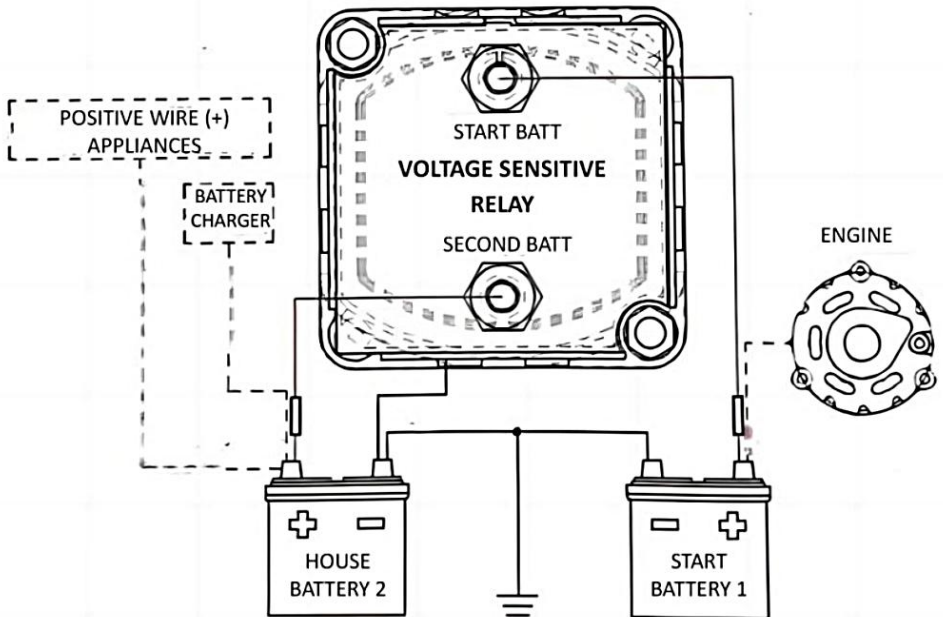
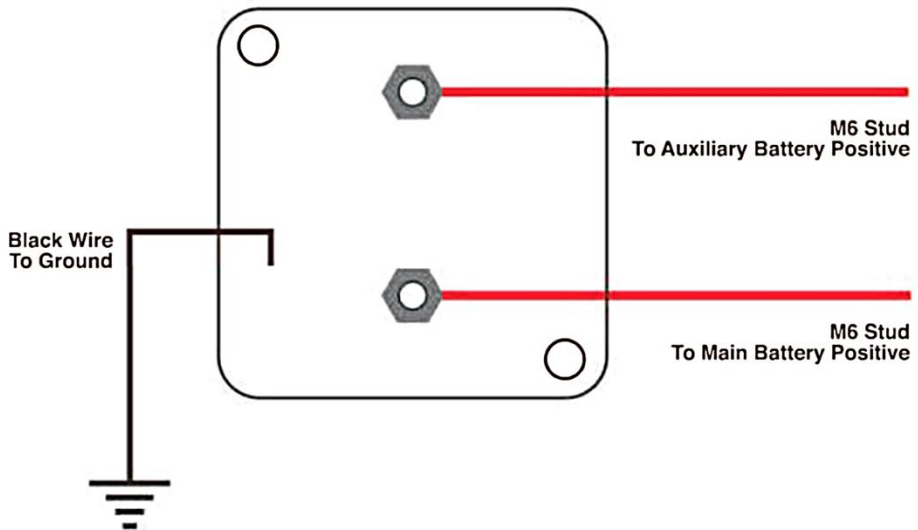
- Avant l'installation ou l'utilisation, il est impératif que les utilisateurs lisent attentivement et comprendre tout messages d'avertissement et de sécurité fournis avec le produit.
- Pour une sécurité optimale, il est conseillé d'installer un fusible entre le Start
La batterie et le VSR .
- Le VSR intègre un délai intégré, permettant 3 à 5 secondes pour le connexion ou processus de déconnexion.
- Le VSR est équipé d'un indicateur rouge intégré qui s'allume lorsque le VSR est engagé, indiquant que les deux batteries sont connectées.

- Si le VSR ne parvient pas à se déconnecter lors de l'arrêt du moteur du véhicule, essayez mode manuel pour tourner ça s'éteint.
- Les personnes sous l'emprise de l'alcool ou de drogues, manquant d'expérience, ou Manquant les connaissances professionnelles sont interdit d'utiliser cet appareil.
- Évitez d'utiliser ou de stocker ce VSR à proximité de sources de chaleur, de flammes nues ou exposition à des produits chimiques, des vapeurs ou des gaz corrosifs inflammables.
- Évitez de démonter le chargeur, car cela pourrait non seulement provoquer nuire à vous et à l'appareil, mais annulera également la garantie.
- Débranchez le chargeur avant de procéder à l'entretien ou au nettoyage.
- Portez des lunettes de protection appropriées avant de lancer le processus de charge.
- Gardez de l'eau fraîche et du savon à portée de main au cas où l'acide de la batterie entrerait en contact avec le yeux dans un tel événement. Nettoyer immédiatement avec de l'eau et du savon pendant au moins 15 minutes et consulter un médecin.
- Évitez de fumer ou d'avoir une étincelle ou un feu ouvert à proximité de cet appareil.
- Inspectez régulièrement le VSR pour déceler tout dommage. S'il est endommagé, évitez de l'utiliser jusqu'à ce que les réparations aient été effectuées.

IDENTIFICATION OF PARTS



WIRING INSTRUCTIONS



HOW TO USE

●Automatique à Manuel.

Press the switch button for 3 seconds.



Manual indicator is on.



Press the switch button again, the indicator at the bottom right will go out, indicating a disconnection.



Press the switch button once, the indicator at the bottom right will turn red, indicating a connection.



●Manuel à automatique.

Press the switch button for 3 seconds.



The manual indicator is off and the automatic mode is on.



●État automatique.

3. Lorsque la tension d'entrée dépasse 13,3 V, le circuit sera connecté automatiquement. Le voltmètre et l'indicateur rouge (LED) seront également allumés.

4. Lorsque la tension d'entrée descend en dessous de 12,8 V, le circuit sera déconnecté automatiquement. Le voltmètre et l'indicateur rouge (LED) seront également éteints.

●Protection haute et basse tension.

3. Lorsque la tension d'entrée atteint moins de 11 V, le circuit sera Déconnecté automatiquement pour protéger la batterie principale contre une décharge excessive.

4. Lorsque la tension d'entrée dépasse 17 V, le circuit démarre automatiquement débranchez-le pour éviter tout dommage potentiel à la batterie auxiliaire.

●Affichage du voltmètre.

4. si deux batteries sont connectées, alors la tension affichée sur le le voltmètre est la batterie qui a une tension plus élevée.

5. Connectez uniquement la batterie dont vous souhaitez tester la tension et débranchez l'autre batterie.

6. Lorsque le voltmètre ne fonctionne pas, appuyez une fois sur le bouton, le voltmètre affichera la valeur pendant 2 secondes.

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

- 13. Relais sensible à la tension * 1
- 14. Câble de batterie rouge 6AWG x 600 cm * 1
- 15. Câble de batterie noir 5AWG x 60 cm * 1
- 16. Extrémité de câble à cosse 25-8 * 1
- 17. Extrémités de câble à cosses 16-8 *2
- 18. Borne à anneau bleu * 1
- 19. Gaine thermorétractable rouge * 2
- 20. Attaches de câble * 6
- 21. Vis M4 x 40 mm * 2
- 22. M4 x Vis de 20 mm * 2
- 23. Bornes de batterie * 3
- 24. Manuel d'utilisation *1



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SPANNUNGSEMPFINDLICHES RELAIS

MODELL: VSR002

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	Warnung: Um das Verletzungsrisiko zu verringern, muss der Benutzer die Bedienungsanleitung sorgfältig lesen.
	Dieses Gerät entspricht Teil 15 der FCC-Bestimmungen. Der Betrieb unterliegt den folgenden beiden Bedingungen: (1) Dieses Gerät darf keine schädlichen Störungen verursachen und (2) dieses Gerät muss alle empfangenen Störungen akzeptieren, einschließlich Störungen, die einen unerwünschten Betrieb verursachen können.
	Dieses Produkt unterliegt den Bestimmungen der europäischen Richtlinie 2012/19/EG. Das Symbol einer durchgestrichenen Mülltonne weist darauf hin, dass das Produkt in der Europäischen Union einer getrennten Müllsammlung bedarf. Dies gilt für das Produkt und alle Zubehörteile, die mit diesem Symbol gekennzeichnet sind. Als solche gekennzeichnete Produkte dürfen nicht über den normalen Hausmüll entsorgt werden, sondern müssen an einer Sammelstelle für das Recycling von Elektro- und Elektronikgeräten abgegeben werden

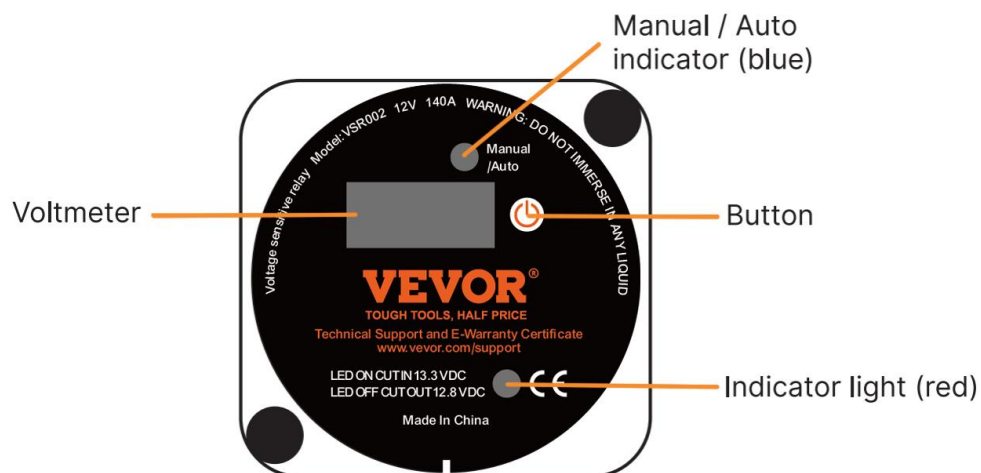
IMPORTANT NOTES

- Vor der Installation oder Verwendung ist es unbedingt erforderlich, dass Benutzer sorgfältig lesen und alles verstehen Warn- und Sicherheitshinweise, die dem Produkt beiliegen.
- Für optimale Sicherheit empfiehlt es sich, eine Sicherung zwischen dem Start zu installieren Batterie und VSR .
- Der VSR verfügt über eine eingebaute Verzögerung, die 3–5 Sekunden für die Zeit bereitstellt Verbindung bzw Trennungsprozess.
- Der VSR ist mit einer integrierten roten Anzeige ausgestattet, die aufleuchtet

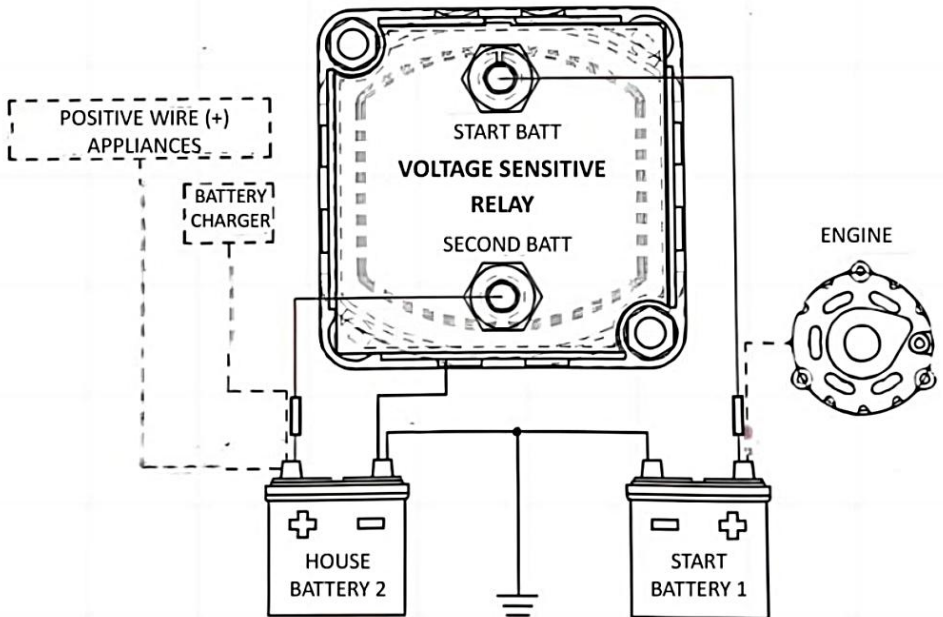
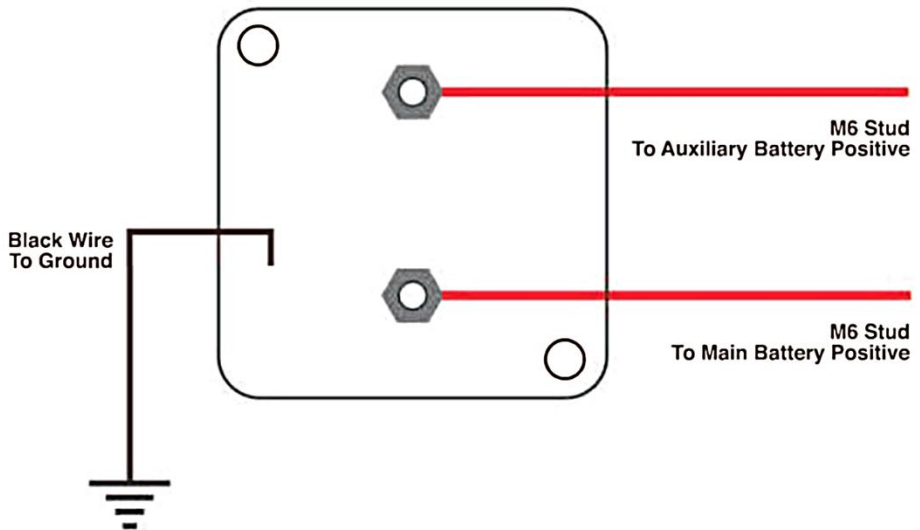
wenn der VSR ist aktiviert, was darauf hinweist, dass beide Batterien angeschlossen sind.

- Wenn sich das VSR beim Abstellen des Fahrzeugmotors nicht trennen lässt, versuchen Sie es manueller Modus zum Drehen es aus.
- Personen, die unter Alkohol- oder Drogeneinfluss stehen, keine Erfahrung haben oder Fehlt Fachwissen ist ist die Verwendung dieses Geräts verboten.
- Vermeiden Sie die Verwendung oder Lagerung dieses VSR in der Nähe von Wärmequellen, offenen Flammen usw Kontakt mit brennbaren Chemikalien, Dämpfen oder ätzenden Gasen.
- Vermeiden Sie es, das Ladegerät zu zerlegen, da dies nicht nur zu Spannungen führen kann Dies schadet Ihnen und dem Gerät und führt zum Erlöschen der Garantie.
- Trennen Sie das Ladegerät vom Netz, bevor Sie Wartungs- oder Reinigungsarbeiten durchführen.
- Tragen Sie vor Beginn des Ladevorgangs einen geeigneten Augenschutz.
- Halten Sie frisches Wasser und Seife bereit, falls Batteriesäure in Kontakt kommt Augen in einem solchen Fall. Sofort mindestens 15 Minuten lang mit Wasser und Seife reinigen und einen Arzt aufsuchen .
- Vermeiden Sie das Rauchen sowie offene Funken oder Feuer in der Nähe dieses Geräts.
- Überprüfen Sie den VSR regelmäßig auf etwaige Schäden. Wenn es beschädigt ist, vermeiden Sie die Verwendung bis die Reparatur durchgeführt wurde.

IDENTIFICATION OF PARTS



WIRINGINSTRUCTIONS



HOW TO USE

● Von Automatisch auf Manuell.

Press the switch button for 3 seconds.



Manual indicator is on.



Press the switch button again, the indicator at the bottom right will go out, indicating a disconnection.



Press the switch button once, the indicator at the bottom right will turn red, indicating a connection.



● Von manuell auf automatisch.

Press the switch button for 3 seconds.



The manual indicator is off and the automatic mode is on.



●Automatischer Zustand.

5. Wenn die Eingangsspannung 13,3 V überschreitet, wird der Stromkreis verbunden

automatisch. Das Voltmeter und die rote (LED) Anzeige leuchten ebenfalls.

6. Wenn die Eingangsspannung unter 12,8 V fällt, wird der Stromkreis unterbrochen

automatisch getrennt. Das Voltmeter und die rote (LED) Anzeige sind ebenfalls AUS.

●Hoch- und Niederspannungsschutz.

5. Wenn die Eingangsspannung weniger als 11 V erreicht, wird der Stromkreis unterbrochen

Automatische Trennung, um die Hauptbatterie vor Tiefentladung zu schützen.

6. Wenn die Eingangsspannung 17 V überschreitet, schaltet sich die Schaltung automatisch ein

Trennen Sie die Verbindung, um mögliche Schäden an der Hilfsbatterie zu vermeiden.

●Voltmeter-Anzeige.

7. Wenn zwei Batterien angeschlossen sind, wird die auf dem Gerät angezeigte Spannung angezeigt

Voltmeter ist die Batterie, die eine höhere Spannung hat.

8. Schließen Sie nur die Batterie an, deren Spannung Sie testen möchten

Trennen Sie die andere Batterie.

9. Wenn das Voltmeter nicht funktioniert, drücken Sie einmal die Taste, um das Voltmeter auszulösen

zeigt den Wert 2 Sekunden lang an.

TECHNICAL SPECIFICATIONS

Voltage	12V
Charging Current	90-120Amp Continuous, 140 Amp Max
Current Draw	Charging 330mA
Cut-in Voltage	13.3V
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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.
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ACCESSORIES LIST

- 25. Spannungsempfindliches Relais *1
- 26. 6AWG x 600 cm rotes Batteriekabel *1
- 27. 5 AWG x 60 cm schwarzes Batteriekabel *1
- 28. 25-8 Kabelschuh-Ende *1
- 29. 16-8 Kabelschuh-Enden *2
- 30. Blauer Ringanschluss *1
- 31. Roter Schrumpfschlauch *2
- 32. Kabelbinder *6
- 33. M4 x 40 mm Schrauben *2
- 34. M4 x 20-mm-Schrauben *2
- 35. Batterieklemmen *3
- 36. Benutzerhandbuch *1



Hersteller: Shanghaimuxinmuyeyouxiangongsi

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RELÈ SENSIBILE ALLA TENSIONE

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	Avvertenza: per ridurre il rischio di lesioni, l'utente deve leggere attentamente il manuale di istruzioni.
	Questo dispositivo è conforme alla Parte 15 delle norme FCC. Il funzionamento è soggetto alle seguenti due condizioni: (1) Questo dispositivo non può causare interferenze dannose e (2) questo dispositivo deve accettare qualsiasi interferenza ricevuta, comprese le interferenze che potrebbero causare un funzionamento indesiderato.
 	Questo prodotto è soggetto alle disposizioni della Direttiva Europea 2012/19/CE. Il simbolo del bidone della spazzatura barrato indica che nell'Unione Europea il prodotto richiede la raccolta differenziata dei rifiuti. Ciò vale per il prodotto e tutti gli accessori contrassegnati da questo simbolo. I prodotti contrassegnati come tali non possono essere smaltiti con i normali rifiuti domestici, ma devono essere portati in un punto di raccolta per il riciclaggio di dispositivi elettrici ed elettronici

IMPORTANT NOTES

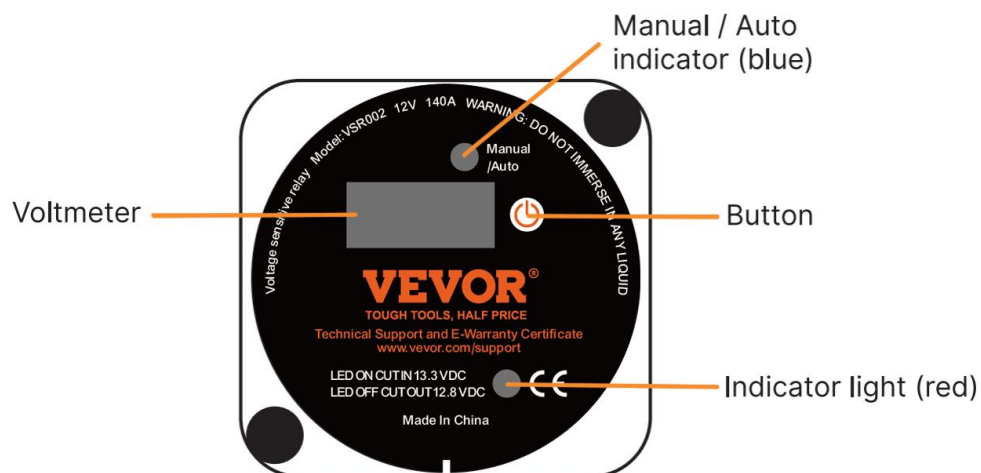
- Prima dell'installazione o dell'utilizzo, è imperativo che gli utenti leggano attentamente e comprendere tutto messaggi di avvertenza e sicurezza forniti con il prodotto.
- Per una sicurezza ottimale, si consiglia di installare un fusibile tra lo Start Batteria e VSR .
- Il VSR incorpora un ritardo integrato, consentendo 3-5 secondi per il connessione o processo di disconnessione.
- Il VSR è dotato di un indicatore rosso integrato che si illumina quando il VSR è impegnato, indicando che entrambe le batterie sono collegate.
- Se il VSR non si disconnette quando si spegne il motore del veicolo,

provare

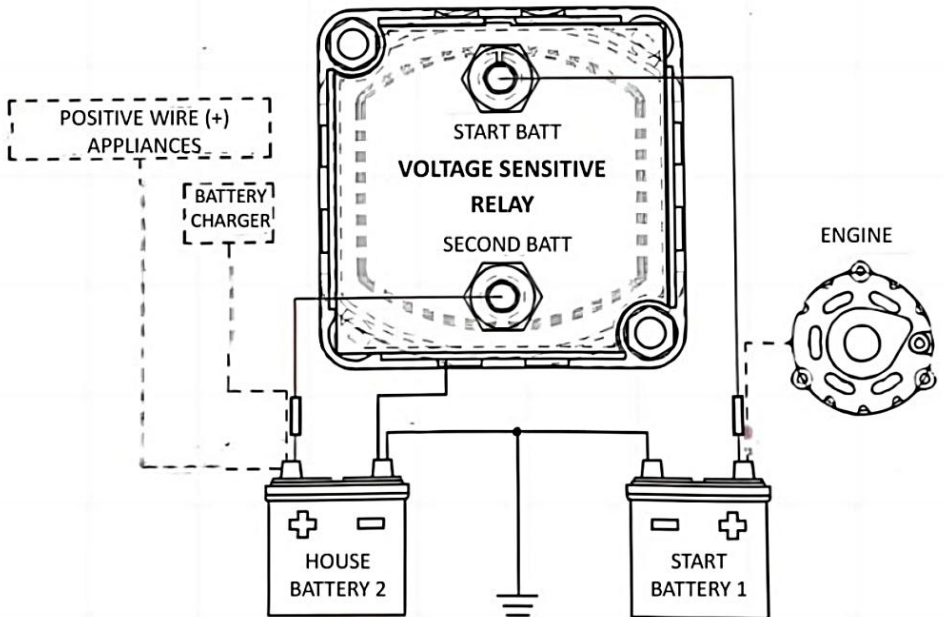
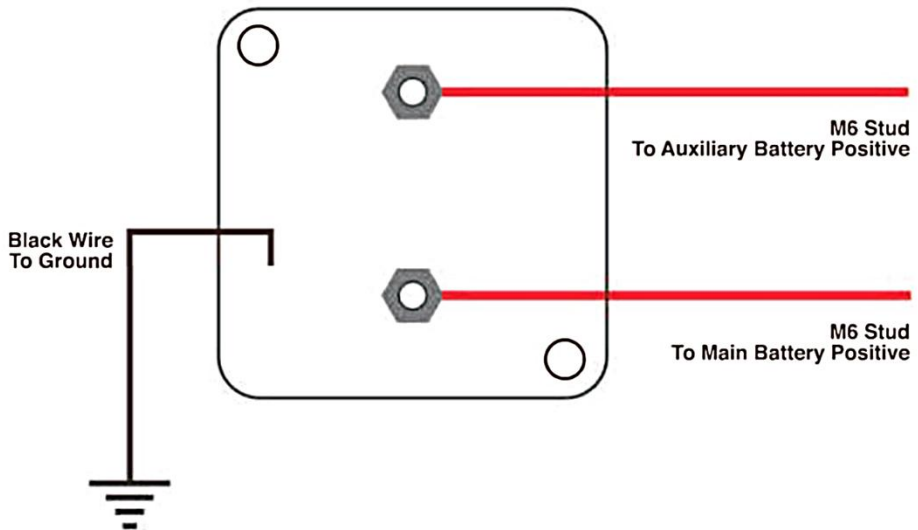
modalità manuale per girare spegnerlo.

- Individui sotto l'influenza di alcol o droghe, privi di esperienza, o
Carente la conoscenza professionale è vietato utilizzare questa unità.
- Evitare di utilizzare o conservare questo VSR vicino a fonti di calore,
fiamme libere o
esposizione a sostanze chimiche infiammabili, vapori o gas corrosivi.
- Evitare di smontare il caricabatterie, poiché ciò potrebbe non solo
causare potenziali danni
danneggiare l'utente e l'unità, ma invalidare anche la garanzia.
- Scollegare il caricabatterie prima di effettuare la manutenzione o la
pulizia.
- Indossare una protezione adeguata per gli occhi prima di iniziare il
processo di ricarica.
- Tenere acqua dolce e sapone a portata di mano nel caso in cui l'acido
della batteria venga a contatto con la batteria
occhi in un simile evento. Lavare immediatamente con acqua e
sapone per almeno 15 minuti e consultare un medico.
- Evitare di fumare o di avere scintille libere o fuoco vicino a questa unità.
- Ispezionare regolarmente il VSR per eventuali danni. Se danneggiato,
evitare di utilizzarlo
fino a quando le riparazioni non saranno state eseguite.

IDENTIFICATION OF PARTS



WIRINGINSTRUCTIONS



HOW TO USE

●Da automatico a manuale.

Press the switch button for 3 seconds.



Manual indicator is on.



Press the switch button again, the indicator at the bottom right will go out, indicating a disconnection.



Press the switch button once, the indicator at the bottom right will turn red, indicating a connection.



●Da manuale ad automatico.

Press the switch button for 3 seconds.



The manual indicator is off and the automatic mode is on.



●Stato automatico.

7. Quando la tensione in ingresso supera 13,3 V, il circuito verrà collegato automaticamente. Anche il voltmetro e l'indicatore rosso (LED) saranno accesi.
8. Quando la tensione in ingresso scende al di sotto di 12,8 V, il circuito sarà scollegato automaticamente. Anche il voltmetro e l'indicatore rosso (LED) saranno spenti.

●Protezione da alta e bassa tensione.

7. Quando la tensione in ingresso scende al di sotto di 11 V, il circuito sarà scollegato automaticamente per proteggere la batteria principale dallo scaricamento eccessivo.
8. Quando la tensione in ingresso supera i 17 V, il circuito si attiverà automaticamente scollegarlo per evitare potenziali danni alla batteria ausiliaria.

●Visualizzazione del voltmetro.

10. se sono collegate due batterie, la tensione visualizzata sul il voltmetro è la batteria che ha la tensione più alta.
11. Collegare solo la batteria di cui si desidera testare la tensione e scollegare l'altra batteria.
12. Quando il voltmetro non funziona, premere una volta il pulsante, il voltmetro visualizzerà il valore per 2 secondi.

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

- 37. Relè sensibile alla tensione *1
- 38. Cavo batteria rosso 6AWG x 600 cm *1
- 39. Cavo batteria nero 5 AWG x 60 cm * 1
- 40. Estremità cavo con capocorda 25-8 *1
- 41. Estremità del cavo con capocorda 16-8 *2
- 42. Terminale ad anello blu *1
- 43. Guaina termorestringente rossa *2
- 44. Fascette per cavi *6
- 45. Viti M4 x 40 mm *2
- 46. M4x Viti da 20 mm * 2
- 47. Terminali della batteria *3
- 48. Manuale dell'utente *1



Produttore: Shanghai muxinmuyeyouxiangongsi

Indirizzo: Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi Shanghai

Importato in AUS: SIHAO PTY LTD, 1 ROKEVA STREETEASTWOOD NSW
2122 Australia

Importato negli Stati Uniti: Sanven Technology Ltd., Suite 250, 9166 Anaheim
Place, Rancho Cucamonga, CA 91730

EC	REP
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Römeräcker 9 Z2021, 76351
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RELÉ SENSIBLE AL VOLTAJE

MODELO: VSR002

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

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VOLTAGE SENSITIVE RELAY

MODELO: VSR002



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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.

	Advertencia: para reducir el riesgo de lesiones, el usuario debe leer atentamente el manual de instrucciones.
	Este dispositivo cumple con la Parte 15 de las normas de la FCC. El funcionamiento está sujeto a las dos condiciones siguientes: (1) Este dispositivo no puede causar interferencias dañinas y (2) este dispositivo debe aceptar cualquier interferencia recibida, incluidas las interferencias que puedan causar un funcionamiento no deseado.
	Este producto está sujeto a las disposiciones de la Directiva Europea 2012/19/CE. El símbolo que muestra un contenedor con ruedas tachado indica que el producto requiere recogida selectiva de basura en la Unión Europea. Esto se aplica al producto y a todos los accesorios marcados con este símbolo. Los productos marcados como tales no podrán desecharse con la basura doméstica normal, sino que deberán llevarse a un punto de recogida para el reciclaje de aparatos eléctricos y electrónicos.

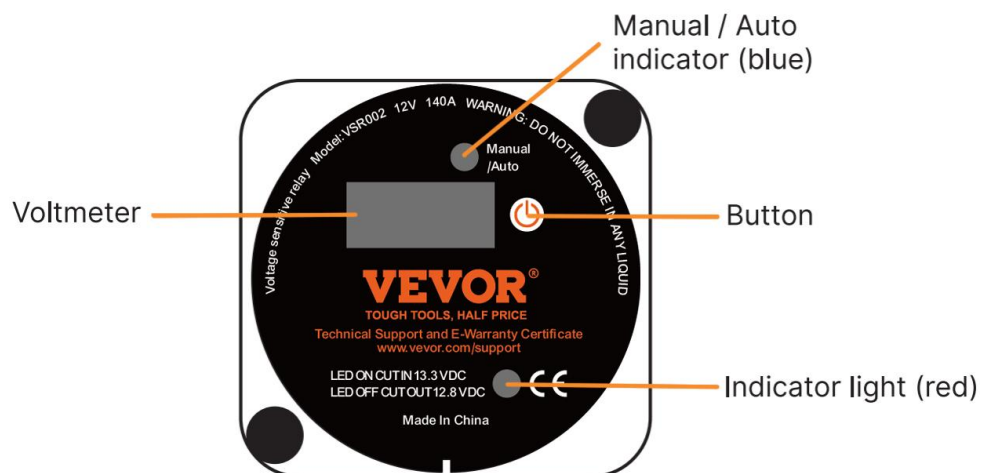
IMPORTANT NOTES

- Antes de la instalación o el uso, es imperativo que los usuarios lean detenidamente y comprender todo mensajes de advertencia y seguridad proporcionados con el producto.
- Para una seguridad óptima, se recomienda instalar un fusible entre el Arranque Batería y VSR .
- El VSR incorpora un retardo incorporado que permite entre 3 y 5 segundos para el conexión o proceso de desconexión.
- El VSR está equipado con un indicador rojo integrado que se ilumina cuando el VSR es activado, lo que indica que ambas baterías están

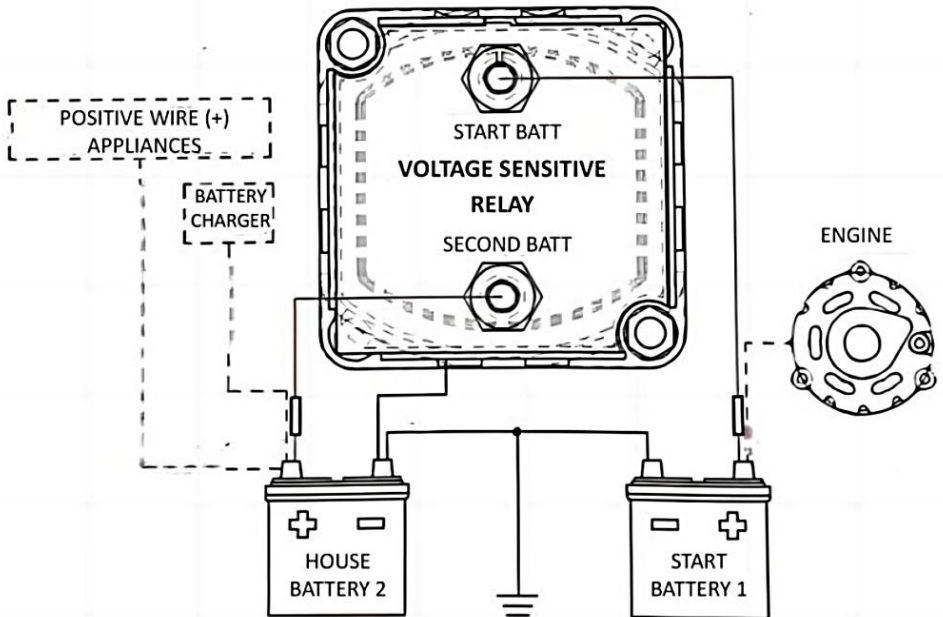
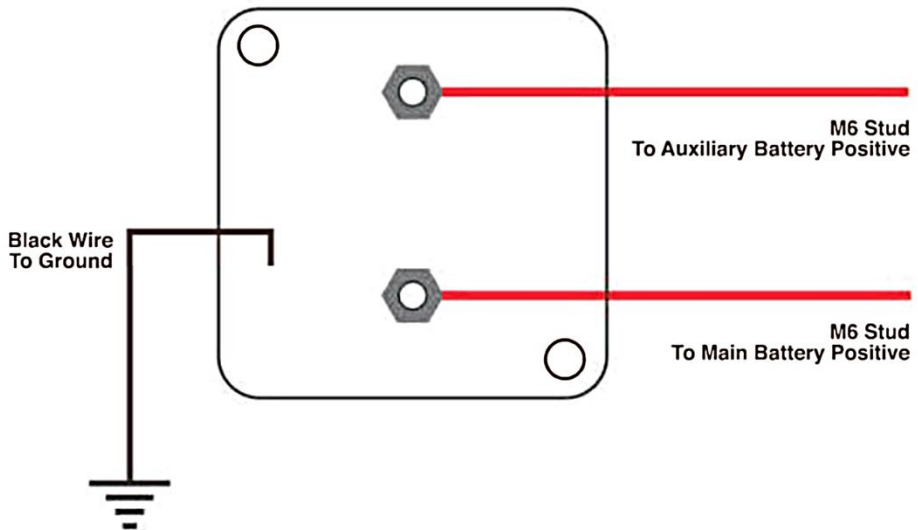
conectadas.

- Si el VSR no se desconecta al apagar el motor del vehículo, intente modo manual para girar apagado.
- Individuos bajo la influencia de alcohol o drogas, sin experiencia o Carente el conocimiento profesional es prohibido el uso de esta unidad.
- Evite usar o almacenar este VSR cerca de fuentes de calor, llamas abiertas o exposición a productos químicos inflamables, vapores o gases corrosivos.
- Evite desmontar el cargador, ya que esto no sólo puede causar posibles dañarle a usted y a la unidad, pero también anulará la garantía.
- Desconecte el cargador antes de realizar tareas de mantenimiento o limpieza.
- Utilice protección ocular adecuada antes de iniciar el proceso de carga.
- Tenga a mano agua fresca y jabón en caso de que el ácido de la batería entre en contacto con el ojos en tal evento. Límpielo inmediatamente con agua y jabón durante un mínimo de 15 minutos y busque atención médica.
- Evite fumar o tener chispas o fuego abierto cerca de esta unidad.
- Inspeccione periódicamente el VSR para detectar posibles daños. Si está dañado, evite usarlo. hasta que se hayan realizado las reparaciones.

IDENTIFICATION OF PARTS



WIRINGINSTRUCTIONS



HOW TO USE

●Automático a Manual.

Press the switch button for 3 seconds.



Manual indicator is on.



Press the switch button again, the indicator at the bottom right will go out, indicating a disconnection.



Press the switch button once, the indicator at the bottom right will turn red, indicating a connection.



●Manual a Automático.

Press the switch button for 3 seconds.



The manual indicator is off and the automatic mode is on.



●Estado automático.

9. Cuando el voltaje de entrada excede los 13,3 V, el circuito se conectará automáticamente. El voltímetro y el indicador rojo (LED) también estarán encendidos.

10. Cuando el voltaje de entrada cae por debajo de 12,8 V, el circuito será desconectará automáticamente. El voltímetro y el indicador rojo (LED) también estarán APAGADOS.

●Protección de alto y bajo voltaje.

9. Cuando el voltaje de entrada sea inferior a 11 V, el circuito se desconectará.

Se desconecta automáticamente para proteger la batería principal contra una descarga excesiva.

10. Cuando el voltaje de entrada excede los 17v, el circuito automáticamente

desconéctelo para evitar posibles daños a la batería auxiliar.

●Pantalla de voltímetro.

13. Si hay dos baterías conectadas, entonces el voltaje que se muestra en la

El voltímetro es la batería que tiene mayor voltaje.

14. Conecte únicamente la batería cuyo voltaje desea probar y desconecte la otra batería.

15. Cuando el voltímetro no esté funcionando, presione el botón una vez, el voltímetro

mostrará el valor durante 2 segundos.

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
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TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SUGGESTED SOLUTION
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ACCESSORIES LIST

- 49. Relé sensible al voltaje *1
- 50. Cable de batería rojo de 6 AWG x 600 cm * 1
- 51. Cable de batería negro de 5 AWG x 60 cm * 1
- 52. Extremo del cable de 25-8 terminales *1
- 53. Extremos de cable de 16-8 terminales *2
- 54. Terminal de anillo azul *1
- 55. Tubo termorretráctil rojo * 2
- 56. Bridas para cables *6
- 57. Tornillos M4 x 40 mm * 2
- 58. M4x Tornillos de 20 mm * 2
- 59. Terminales de batería *3
- 60. Manual de usuario *1



Fabricante: Shanghaimuxinmuyeyouxiangongsi

Dirección: Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi Shanghai

Importado a AUS: SIHAO PTY LTD, 1 ROKEVA STREETEASTWOOD NSW
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Importado a EE. UU.: Sanven Technology Ltd., Suite 250, 9166 Anaheim Place,
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PRZEKAŹNIK WRAŻLIWY NA NAPIĘCIE

MODEL: VSR002

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	Ostrzeżenie — aby zmniejszyć ryzyko obrażeń, użytkownik musi uważnie przeczytać instrukcję obsługi.
	To urządzenie jest zgodne z częścią 15 przepisów FCC. Działanie podlega następującym dwóm warunkom: (1) to urządzenie nie może powodować szkodliwych zakłóceń oraz (2) to urządzenie musi akceptować wszelkie odbierane zakłócenia, w tym zakłócenia, które mogą powodować niepożądane działanie.
	Ten produkt podlega przepisom Dyrektywy Europejskiej 2012/19/EC. Symbol przekreślonego kosza na śmieci oznacza, że produkt wymaga selektywnej zbiórki śmieci na terenie Unii Europejskiej. Dotyczy to produktu i wszystkich akcesoriów oznaczonych tym symbolem. Produktów oznaczonych jako takie nie można wyrzucać razem ze zwykłymi odpadami domowymi, lecz należy je oddać do punktu zbiórki w celu recyklingu urządzeń elektrycznych i elektronicznych

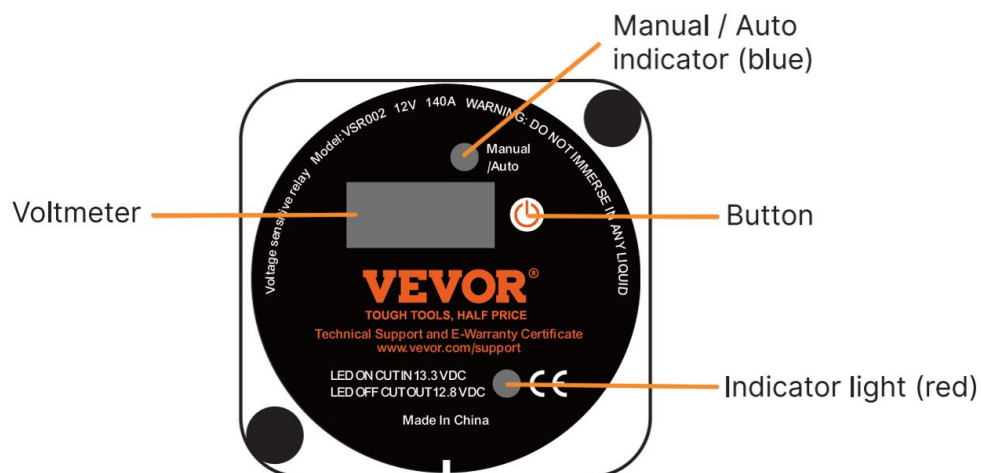
IMPORTANT NOTES

- Przed instalacją lub użyciem użytkownicy powinni dokładnie przeczytać i zapoznać się z niniejszą instrukcją zrozumieć wszystko ostrzeżenia i komunikaty dotyczące bezpieczeństwa dołączone do produktu.
- Dla optymalnego bezpieczeństwa zaleca się zainstalowanie bezpiecznika pomiędzy Startem Bateria i VSR .
- VSR zawiera wbudowane opóźnienie, umożliwiające od 3 do 5 sekund połączenie lub proces rozłączania.
- VSR jest wyposażony w zintegrowany czerwony wskaźnik, który świeci kiedy jest VSR włączony, co oznacza, że oba akumulatory są podłączone.
- Jeżeli VSR nie rozłącza się po wyłączeniu silnika pojazdu, spróbuj

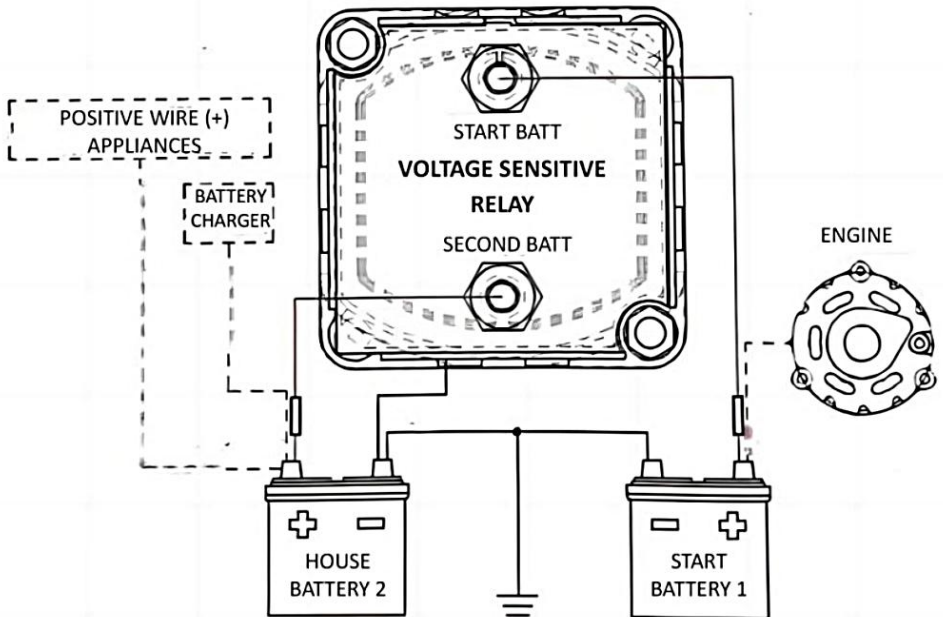
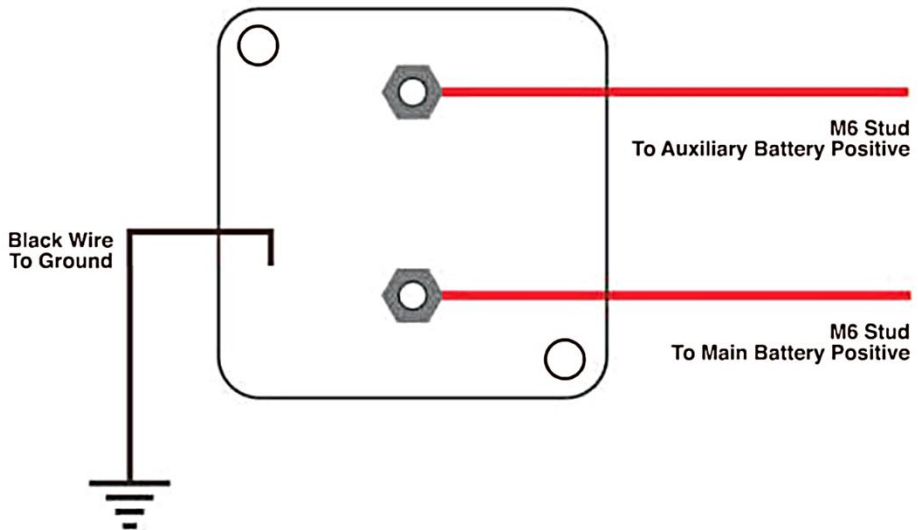
tryb ręczny, aby obrócić to wyłączone.

- Osoby pod wpływem alkoholu lub narkotyków, bez doświadczenia lub
Brakuje jest wiedza profesjonalna zabronione jest używanie tego urządzenia.
- Unikaj używania lub przechowywania tego VSR w pobliżu źródeł ciepła, otwartego ognia lub
narażenie na działanie łatwopalnych substancji chemicznych, oparów lub gazów żrących.
- Unikaj demontażu ładowarki, ponieważ może to nie tylko spowodować powstanie potencjału
szkody dla Ciebie i urządzenia, ale także unieważnić gwarancję.
- Przed przystąpieniem do konserwacji lub czyszczenia należy odłączyć ładowarkę.
- Przed rozpoczęciem procesu ładowania należy nosić odpowiednią ochronę oczu.
- Miej pod ręką świeżą wodę i mydło na wypadek kontaktu kwasu akumulatorowego z akumulatorem
oczy w takim przypadku. Natychmiast zmyć wodą z mydłem przez co najmniej 15 minut i zwrócić się o pomoc lekarską.
- Unikaj palenia lub posiadania otwartej iskry lub ognia w pobliżu tego urządzenia.
- Regularnie sprawdzaj VSR pod kątem uszkodzeń. Jeśli jest uszkodzony, unikaj jego używania
do czasu przeprowadzenia napraw.

IDENTIFICATION OF PARTS



WIRING INSTRUCTIONS



HOW TO USE

●Automatyczny na ręczny.

Press the switch button for 3 seconds.



Manual indicator is on.



Press the switch button again, the indicator at the bottom right will go out, indicating a disconnection.



Press the switch button once, the indicator at the bottom right will turn red, indicating a connection.



●Ręczny na automatyczny.

Press the switch button for 3 seconds.



The manual indicator is off and the automatic mode is on.



●Stan automatyczny.

11. Gdy napięcie wejściowe przekroczy 13,3 V, obwód zostanie podłączony

automatycznie. Woltomierz i czerwony wskaźnik (LED) również będą włączone.

12. Gdy napięcie wejściowe spadnie poniżej 12,8 V, obwód zostanie zamknięty

zostanie automatycznie odłączony. Woltomierz i czerwony wskaźnik (LED) również będą wyłączone.

●Ochrona przed wysokim i niskim napięciem.

11. Gdy napięcie wejściowe osiągnie wartość niższą niż 11 V, obwód zostanie zamknięty

Odłączany automatycznie, aby chronić główny akumulator przed nadmiernym rozładowaniem.

12. Gdy napięcie wejściowe przekroczy 17 V, obwód zostanie automatycznie włączony

odłączyć, aby zapobiec potencjalnemu uszkodzeniu akumulatora pomocniczego.

●Wyświetlacz woltomierza.

16. jeżeli podłączone są dwa akumulatory, wówczas na wyświetlaczu pojawi się napięcie

woltomierz to akumulator o wyższym napięciu.

17. Podłącz tylko ten akumulator, którego napięcie i napięcie chcesz sprawdzić

odłącz drugi akumulator.

18. Gdy woltomierz nie działa, naciśnij raz przycisk woltomierza wyświetli wartość przez 2 sekundy.

TECHNICAL SPECIFICATIONS

Voltage	12V
Charging Current	90-120Amp Continuous, 140 Amp Max
Current Draw	Charging 330mA
Cut-in Voltage	13.3V
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IP Rating	IP67

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SUGGESTED SOLUTION
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ACCESSORIES LIST

- 61. Przekaznik wrażliwy na napięcie *1
- 62. Czerwony kabel akumulatora 6AWG x 600 cm *1
- 63. Czarny kabel akumulatora 5AWG x 60 cm *1
- 64. Końcówka kabla z końcówką 25-8 *1
- 65. Końcówki kabli 16-8 *2
- 66. Terminal z niebieskim pierścieniem *1
- 67. Czerwona rurka termokurczliwa *2
- 68. Opaski kablowe *6
- 69. Śruby M4 x 40 mm *2
- 70. M4x Śruby 20 mm *2
- 71. Zaciski akumulatora *3
- 72. Instrukcja obsługi *1



Producent: Shanghaimuxinmuyeyouxiangongsi

Adres: Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi Szanghaj

Import do AUS: SIHAO PTY LTD, 1 ROKEVA STREETEASTWOOD NSW 2122
Australia

Import do USA: Sanven Technology Ltd., Suite 250, 9166 Anaheim Place,
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UK	REP
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Pooledas Group Ltd
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TOUGH TOOLS, HALF PRICE

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SPANNINGSGEVOELIG RELAIS

MODEL: VSR002

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

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VOLTAGE SENSITIVE RELAY

MODEL: VSR002



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	Waarschuwing-Om het risico op letsel te verminderen, moet de gebruiker de handleiding zorgvuldig lezen.
	Dit apparaat voldoet aan Deel 15 van de FCC-regels. Het gebruik is onderworpen aan de volgende twee voorwaarden: (1) Dit apparaat mag geen schadelijke interferentie veroorzaken, en (2) dit apparaat moet alle ontvangen interferentie accepteren, inclusief interferentie die een ongewenste werking kan veroorzaken.
	Dit product valt onder de bepalingen van de Europese richtlijn 2012/19/EG. Het symbool met een doorgestreepte afvalcontainer geeft aan dat het product in de Europese Unie een aparte afvalinzameling vereist. Dit geldt voor het product en alle accessoires die met dit symbool zijn gemarkeerd. Producten die als zodanig gemarkeerd zijn, mogen niet met het normale huisvuil worden weggegooid, maar moeten naar een inzamelpunt voor recycling van elektrische en elektronische apparaten worden gebracht

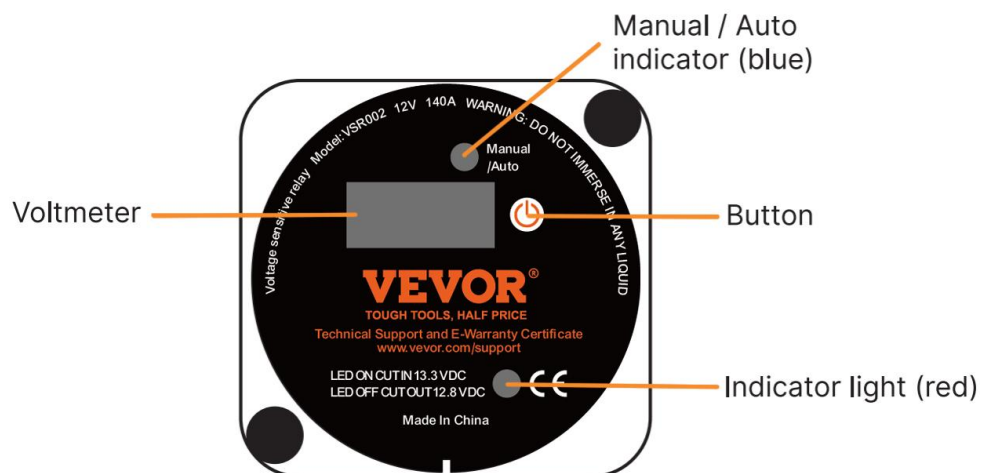
IMPORTANT NOTES

- Vóór installatie of gebruik is het absoluut noodzakelijk dat gebruikers dit grondig lezen
alles begrijpen waarschuwings- en veiligheidsberichten die bij het product worden geleverd.
- Voor optimale veiligheid is het raadzaam om een zekering tussen de Starter te plaatsen
Batterij en de VSR .
- De VSR bevat een ingebouwde vertraging, die 3-5 seconden toelaat voor de
verbinding of ontkoppelingsproces.
- De VSR is uitgerust met een geïntegreerde rode indicator die oplicht
wanneer de VSR is ingeschakeld, wat aangeeft dat beide batterijen zijn

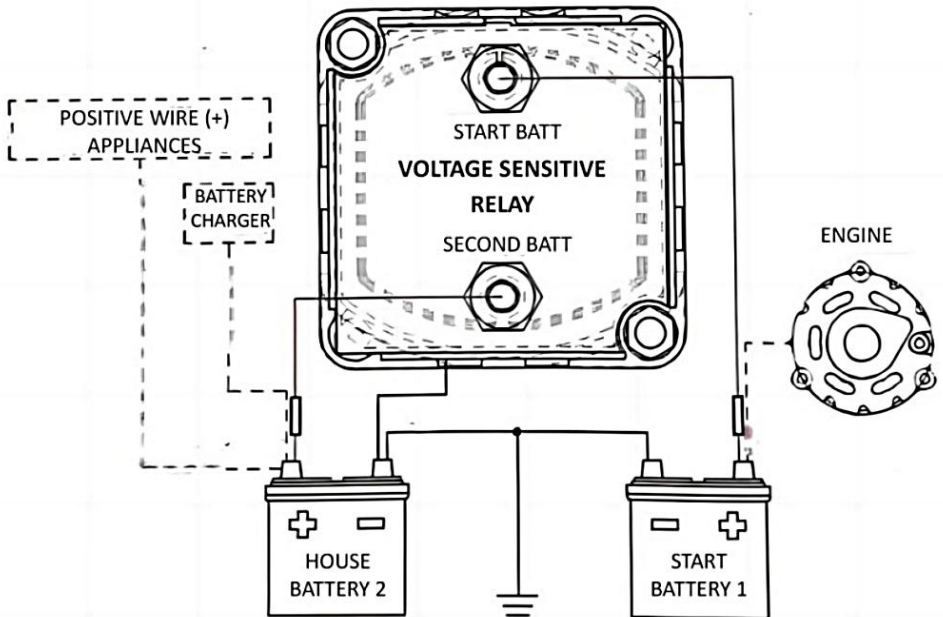
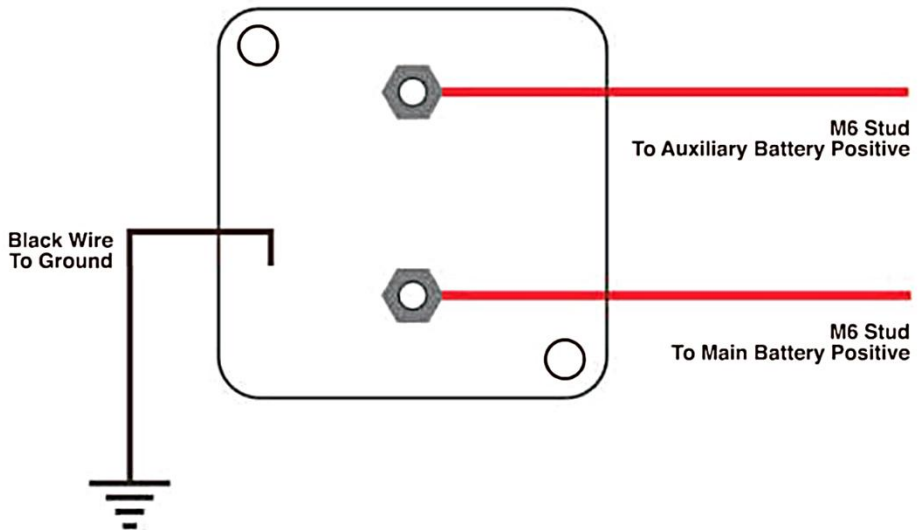
aangesloten.

- Als de VSR er niet in slaagt de verbinding te verbreken wanneer u de motor van het voertuig uitschakelt, probeer het dan handmatige modus om te schakelen het uit.
- Individuen onder invloed van alcohol of drugs, zonder ervaring, of Ontbrekend professionele kennis is verboden dit apparaat te gebruiken.
- Gebruik of bewaar deze VSR niet in de buurt van warmtebronnen, open vuur of andere voorwerpen blootstelling aan brandbare chemicaliën, dampen of corrosieve gassen.
- Vermijd het demonteren van de oplader, omdat dit niet alleen potentieel kan veroorzaken schade toebrengen aan u en het apparaat, maar maakt ook de garantie ongeldig.
- Koppel de oplader los voordat u onderhoud of reiniging uitvoert.
- Draag goede oogbescherming voordat u het laadproces start.
- Houd vers water en zeep bij de hand voor het geval dat accuzuur in contact komt met de accu ogen bij zo'n gebeurtenis. Onmiddellijk reinigen met water en zeep gedurende minimaal 15 minuten en medische hulp inroepen.
- Vermijd roken of open vonken of vuur in de buurt van dit apparaat.
- Inspecteer de VSR regelmatig op eventuele schade. Als het beschadigd is, gebruik het dan niet totdat er reparaties zijn uitgevoerd.

IDENTIFICATION OF PARTS



WIRINGINSTRUCTIONS



HOW TO USE

●Automatisch naar handmatig.

Press the switch button for 3 seconds.



Manual indicator is on.



Press the switch button again, the indicator at the bottom right will go out, indicating a disconnection.



Press the switch button once, the indicator at the bottom right will turn red, indicating a connection.



●Handmatig naar automatisch.

Press the switch button for 3 seconds.



The manual indicator is off and the automatic mode is on.



●Automatische staat.

13. Wanneer de ingangsspanning 13,3V overschrijdt, wordt het circuit aangesloten

automatisch. De voltmeter en de rode (LED) indicator zullen ook AAN zijn.

14. Wanneer de ingangsspanning onder de 12,8 V daalt, wordt het circuit uitgeschakeld

automatisch losgekoppeld. De voltmeter en de rode (LED)-indicator zijn ook UIT.

●Bescherming tegen hoge en lage spanning.

13. Wanneer de ingangsspanning lager is dan 11V, zal het circuit inactief zijn

Wordt automatisch losgekoppeld om de hoofdbatterij te beschermen tegen overmatig ontladen.

14. Wanneer de ingangsspanning 17V overschrijdt, wordt het circuit automatisch ingeschakeld

loskoppelen om mogelijke schade aan de hulpaccu te voorkomen.

●Voltmeter-display.

19. als er twee accu's zijn aangesloten, wordt de spanning weergegeven op de

voltmeter is de batterij met een hogere spanning.

20. Sluit alleen de accu aan waarvan u de spanning wilt testen

koppel de andere accu los.

21. Wanneer de voltmeter niet werkt, drukt u één keer op de knop, de voltmeter

zal de waarde gedurende 2 seconden weergeven.

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

- 73. Spanningsgevoelig relais *1
- 74. 6AWG x 600 cm rode batterijkabel *1
- 75. 5AWG x 60 cm zwarte batterijkabel *1
- 76. 25-8 Kabeluiteinde *1
- 77. 16-8 Kabeluiteinden *2
- 78. Blauwe Ring-terminal *1
- 79. Rode krimpkous *2
- 80. Kabelbinders *6
- 81. M4 x 40 mm schroeven *2
- 82. M4x 20 mm schroeven *2
- 83. Batterijterminals *3
- 84. Gebruikershandleiding *1



Fabrikant: Shanghaimuxinmuyeyouxiangongsi

Adres: Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi Shanghai

Geïmporteerd naar AUS: SIHAO PTY LTD, 1 ROKEVA STREETEASTWOOD
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Geïmporteerd naar de VS: Sanven Technology Ltd., Suite 250, 9166 Anaheim
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SPÄNNINGSKÄNSLIGT RELÄ

MODELL: VSR002

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	Varning - För att minska risken för skada måste användaren läsa instruktionerna noggrant.
	Denna enhet uppfyller del 15 av FCC-reglerna. Driften är föremål för följande två villkor: (1) Den här enheten får inte orsaka skadliga störningar och (2) den här enheten måste acceptera alla mottagna störningar, inklusive störningar som kan orsaka oönskad funktion.
	Denna produkt omfattas av bestämmelserna i det europeiska direktivet 2012/19/EC. Symbolen som visar en soptunna korsad anger att produkten kräver separat sophämtning i EU. Detta gäller för produkten och alla tillbehör märkta med denna symbol. Produkter märkta som sådana får inte slängas tillsammans med vanligt hushållsavfall, utan måste lämnas till en samlingsplats för återvinning av elektriska och elektroniska apparater

IMPORTANT NOTES

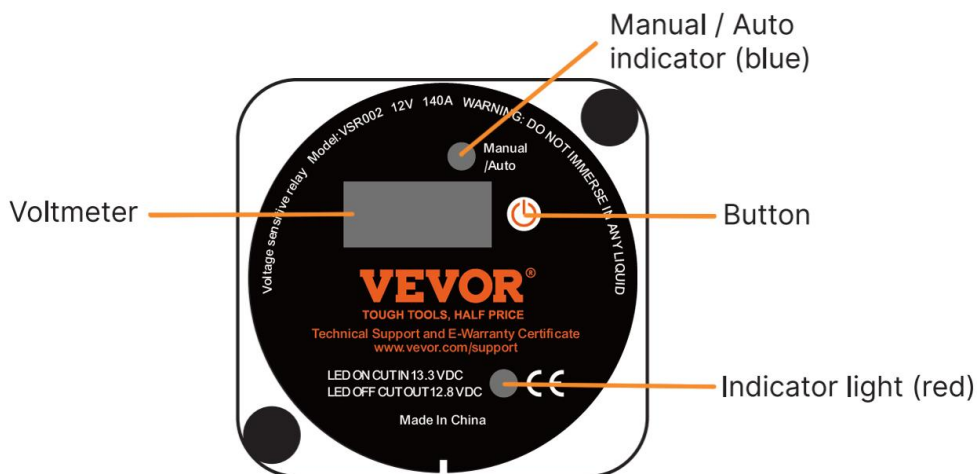
- Innan installation eller användning är det absolut nödvändigt att användarna noggrant läser och förstå allt varnings- och säkerhetsmeddelanden som medföljer produkten.
- För optimal säkerhet är det lämpligt att installera en säkring mellan Start Batteri och VSR .
- VSR har en inbyggd fördröjning som tillåter 3-5 sekunder för anslutning eller fränkopplingsprocessen.
- VSR är utrustad med en integrerad röd indikator som tänds när VSR är inkopplad, vilket indikerar att båda batterierna är anslutna.
- Om VSR misslyckas att koppla från när du stänger av fordonets motor, försök manuellt läge för att vrida den av.
- Individer som är påverkade av alkohol eller droger, saknar erfarenhet,

eller

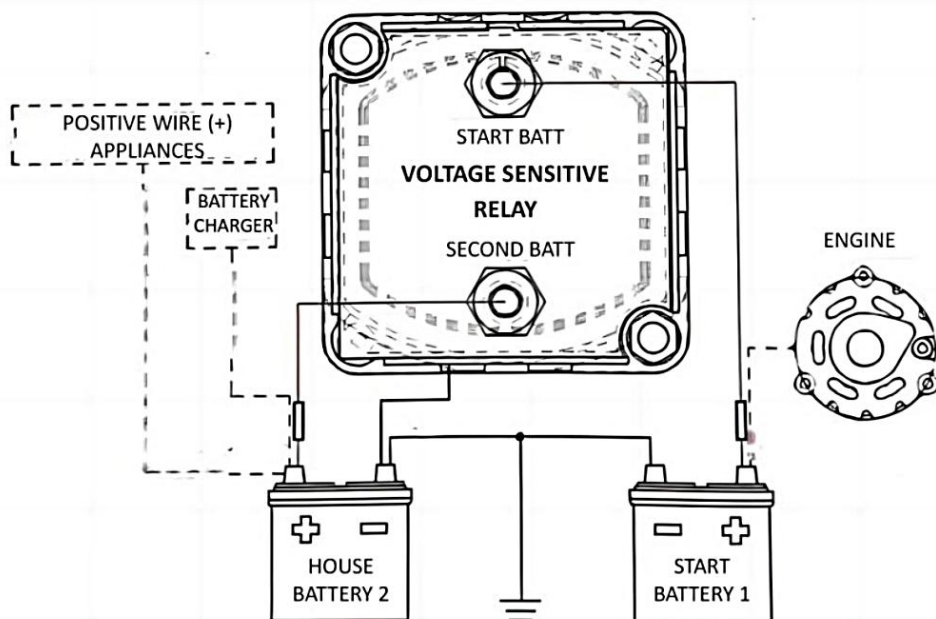
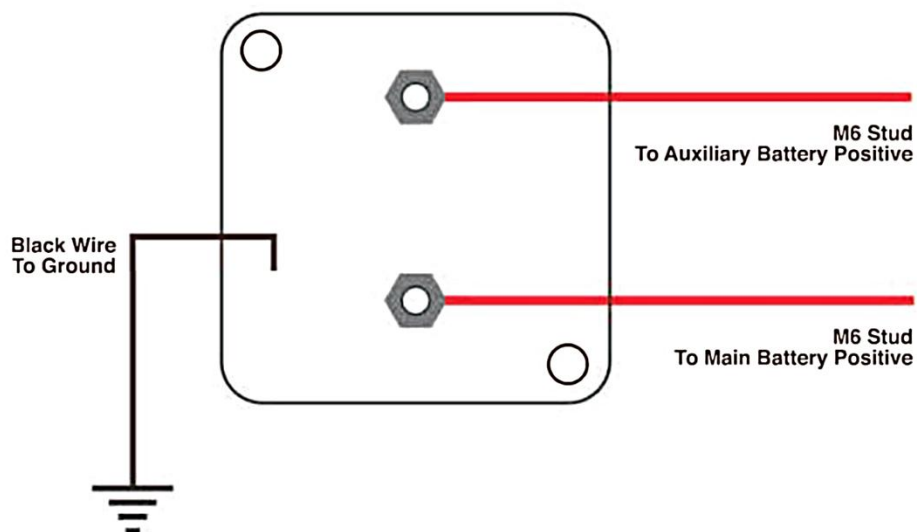
Saknas professionell kunskap är förbjudet att använda denna enhet.

- Undvik att använda eller förvara denna VSR nära värmekällor, öppna lågor eller exponering för brandfarliga kemikalier, ångor eller frätande gaser.
- Undvik att ta isär laddaren, eftersom detta inte bara kan orsaka potential skada dig och enheten men även ogiltigförklara garantin.
- Koppla bort laddaren innan du påbörjar underhåll eller rengöring.
- Bär lämpliga ögonskydd innan du påbörjar laddningsprocessen.
- Ha färskvatten och tvål till hands om batterisyran kommer i kontakt med ögon i en sådan händelse. Rengör omedelbart med tvål och vatten i minst 15 minuter och sök läkare.
- Undvik att röka eller ha en öppen gnista eller eld nära denna enhet.
- Inspektera regelbundet VSR för eventuella skador. Om jag är skadad, undvik att använda den tills reparationer har utförts.

IDENTIFICATION OF PARTS



WIRINGINSTRUCTIONS



HOW TO USE

●Automatiskt till manuellt.

Press the switch button for 3 seconds.



Manual indicator is on.



Press the switch button again, the indicator at the bottom right will go out, indicating a disconnection.



Press the switch button once, the indicator at the bottom right will turn red, indicating a connection.



●Manuellt till automatisk.

Press the switch button for 3 seconds.



The manual indicator is off and the automatic mode is on.



●Automatiskt tillstånd.

15. När inspänningen överstiger 13,3V kommer kretsen att anslutas automatiskt. Voltmetern och den röda (LED) indikatorn kommer också att vara PÅ.

16. När inspänningen sjunker under 12,8V kommer kretsen att vara kopplas från automatiskt. Voltmetern och den röda (LED) indikatorn kommer också att vara AV.

●Hög- och lågspänningsskydd.

15. När inspänningen når lägre än 11V kommer kretsen att vara Frånkopplas automatiskt för att skydda huvudbatteriet från överurladdning.

16. När inspänningen överstiger 17v kommer kretsen automatiskt koppla från för att förhindra potentiell skada på hjälpbatteriet.

●Voltmeter display.

22. om två batterier är anslutna visas spänningen på voltmeter är batteriet som har högre spänning.

23. Anslut bara det batteri som du vill testa spänningen och koppla bort det andra batteriet.

24. När voltmätaren inte fungerar, tryck en gång på knappen, voltmätaren visar värdet i 2 sekunder.

TECHNICAL SPECIFICATIONS

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Charging Current	90-120Amp Continuous, 140 Amp Max
Current Draw	Charging 330mA
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- 85. Spänningskänsligt relä *1
- 86. 6AWG x 600 cm Röd batterikabel *1
- 87. 5AWG x 60 cm svart batterikabel *1
- 88. 25-8 kabelände *1
- 89. 16-8 kabeländar *2
- 90. Blue Ring Terminal *1
- 91. Röd krympslang *2
- 92. Buntband *6
- 93. M4 x 40 mm skruvar *2
- 94. M4 x 20 mm skruvar *2
- 95. Batteriterminaler *3
- 96. Användarmanual *1



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