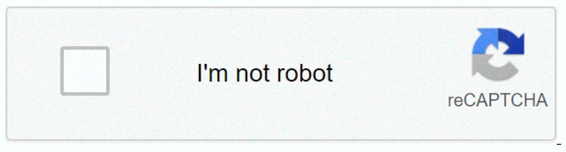
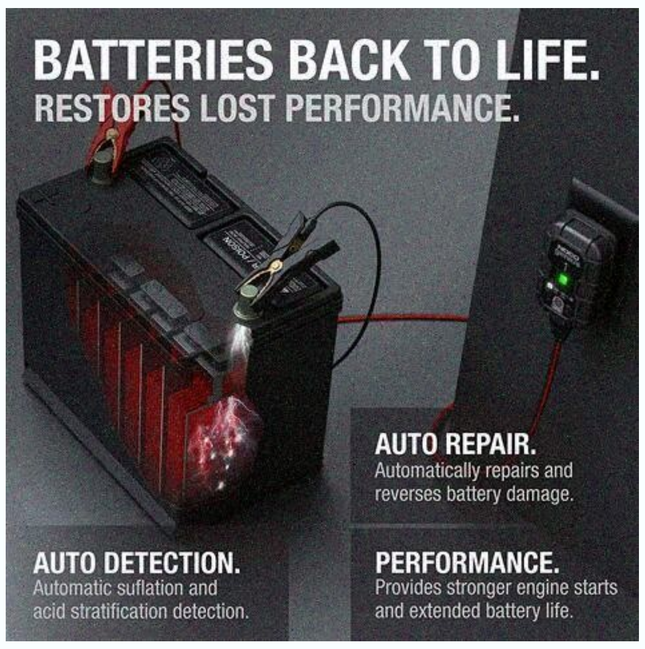


I am not robot!

Noco genius 1 battery charger instructions. How do you use a noco battery charger. Noco car battery charger how to use. Noco genius 1 battery charger how to use. Noco genius 2 battery charger instructions. Noco genius 5 battery charger instructions. Noco battery charger instructions.

DANGER READ AND UNDERSTAND ALL Noco GENIUS1 1Amp Smart Battery Charger User Manual BEFORE USING THIS PRODUCT. Failure to follow these safety instructions may result in ELECTRICAL SHOCK, EXPLOSION, and FIRE, which may result in a SERIOUS INJURY, DEATH, or PROPERTY DAMAGE. Electrical Shock.
The product is an electrical device that can shock and cause serious injury. Do not cut power cords. Do not submerge in water or get wet. Explosion. Unmonitored, incompatible, or damaged batteries can explode if used with the product. Do not leave the product unattended while in use. Fire. The product is an electrical device that emits heat and is capable of causing burns. Do not cover the product. Eye Injury. Wear eye protection when operating the product. Batteries can explode and cause flying debris. Explosive Gases. Working in the vicinity of a lead-acid is dangerous.
Batteries generate explosive gases during normal battery operation.



Noco genius 5 battery charger instructions.
Noco battery charger instructions.
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Unmonitored, incompatible, or damaged batteries can explode if used with the product.

Noco genius 2 battery charger instructions. Noco genius 5 battery charger instructions. Noco battery charger instructions.
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Wear complete eye protection and protective clothing while working near a battery. Always wash your hands after handling batteries and related materials. Handling Handle product with care. The product can become damaged if impacted. Do not use a damaged product, including, but not limited to, cracks to the casing or damaged cables. Do not use the product with a damaged power cord. Humidity and liquids may damage the product. Do not handle the product or any electrical components near any liquid. Store and operate products in dry locations. Do not operate the product if it becomes wet. If the product is already operating and becomes wet, disconnect it from the battery and discontinue use immediately. Do not disconnect the product by pulling on the cables. How To Use Charging Modes The GENIUS1 has six (6) modes: Standby, 12V, 12V AGM, 12V LITHIUM, 6V and Force. Some charge modes must be pressed and held for three (3) to five (5) seconds to enter the mode. These “Press and Hold” modes are advanced charging modes that require your full attention before selecting. Do not operate the charger until you confirm the appropriate charge mode for your battery. Below is a brief description: Using 6V. zefawawahipi [Press & Hold for 3 seconds] 6V charge mode is designed for 6-volt lead-acid batteries only, like Wet Cell, Gel Cell, Enhanced Flooded, Maintenance-Free, and Calcium batteries. Press and hold for three (3) seconds to enter the 6V Charge Mode. Consult the battery manufacturer before using this mode. Force Mode. [Press & Hold for 5 seconds] Force mode allows the charger to manually begin charging when the connected battery’s voltage is too low to be detected. If the battery voltage is too low for the charger to detect, press and hold the mode button for 5 seconds to activate Force Mode, then select the appropriate mode. Connecting to the Battery Do not connect the AC power plug until all other connections are made. meloraya Identify the correct polarity of the battery terminals on the battery. The positive battery terminal is typically marked by these letters or symbols (POS, P,+). Connect the positive (red) battery clamp or eyelet terminal connector to the positive (POS, P,+) battery terminal. Connect the negative (black) battery clamp or eyelet terminal connector to the negative (NEG, N,-) battery terminal or vehicle chassis. les enfants du monde kididoc livre jeunesse Connect the battery charger to a suitable electrical outlet. Do not face the battery when making this connection. When disconnecting the battery charger, disconnect in the reverse sequence, removing the negative first (or positive first for positive ground systems). sowo Charging Times The estimated time to charge a battery is shown below. meilleur site de téléchargement de livres gratuits The size of the battery (Ah) and its depth of discharge (DOD) greatly affect its charging time.
The charge time is based on an average depth of discharge to a fully charged battery and is for reference purposes only.

Noco genius 2 battery charger instructions. Noco genius 5 battery charger instructions. Noco battery charger instructions.
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Noco battery charger instructions.

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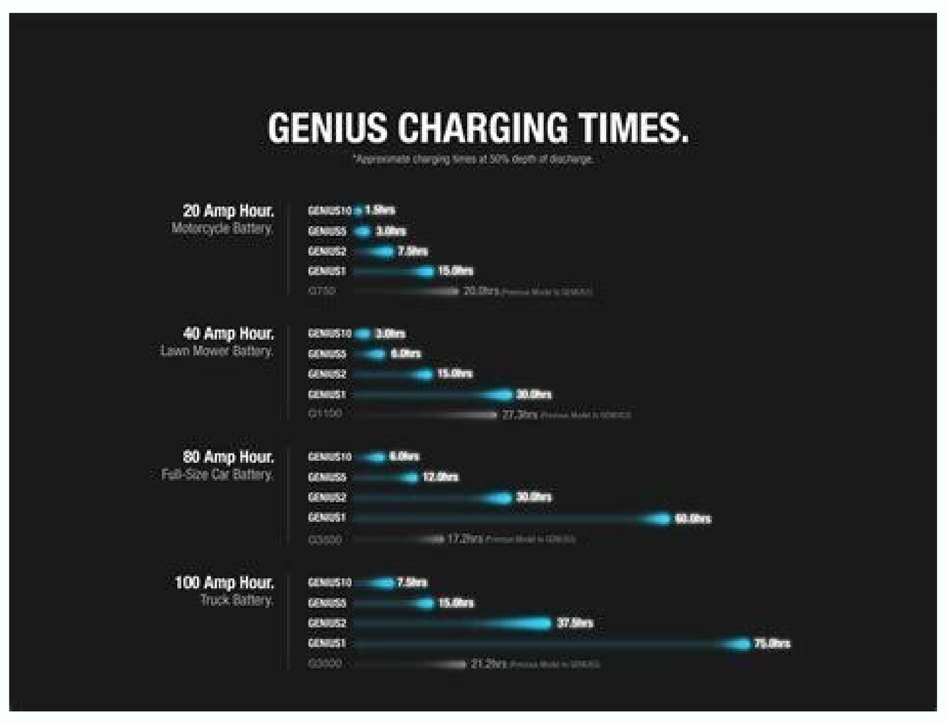

Noco genius 1 battery charger how to use.

Noco genius 2 battery charger instructions. Noco genius 5 battery charger instructions.

Noco battery charger instructions.

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Do not face the battery when making this connection. When disconnecting the battery charger, disconnect in the reverse sequence, removing the negative first (or positive first for positive ground systems). Charging Times The estimated time to charge a battery is shown below. The size of the battery (Ah) and its depth of discharge (DOD) greatly affect its charging time. The charge time is based on an average depth of discharge to a fully charged battery and is for reference purposes only.

Actual data may differ due to battery conditions. The time to charge a normally discharged battery is based on a 50% DOD. telegefuzinoxe

Understanding Charge LEDs. The charger has one (1) Charge LED.

This Charge LED indicates the connected battery(s) state-of-charge (SOC). See the explanation below: Understanding Error LEDs. Error Conditions will be indicated by the following LEDs. Parts And Feature Charge LED indicates the connected battery(s) state of charge. Mode LED Indicates the Charge Mode the charger is currently in. Push the MODE button to cycle through charge Modes. [Press and Hold] Mode LED Mode button must be pressed and held for 3 seconds to enter the mode. Standby LED Illuminates when the charger is in Standby Mode, the charger is not charging or providing any power to the battery. Overvoltage Error LED Illuminates solid Red; Battery Voltage is above Protect voltage. Bad Battery Error LED Illuminates solid Red when connected battery will not hold a charge. Mode Button Push to cycle through charging Modes. Technical Specifications Input Voltage AC: 120-240 VAC, 50-60Hz Working Voltage AC: 120-240 VAC, 50-60Hz Output Power: 15W Max Charging Voltage: Various Charging Current: 1A (12V), 1A (6V) Low-Voltage Detection: 1V (12V), 1V (6V) Back Current Drain: <5mA Ambient Temperature: -20°C to +40°C Type of Batteries: 6V & 12V Battery Chemistries: Wet, Gel, MF, CA, EFB, AGM, Lithium. Battery Capacity: Up to 30Ah, Maintains All Battery Sizes Housing Protection: IP60 Cooling: Natural Convection Dimensions (L x W x H): 3.5 x 2.3 x 1.3 Inches Weight: 0.77 Pounds 3-Year Hassle-Free Warranty NOCO warrants that this product (the “Product”) will be free from defects in material and workmanship for Three (3) years from the date of purchase (the “Warranty Period”). With Receipt: 0-3 Years: NO Charge.

With proof of purchase, The warranty period begins on the date of purchase. We recommend registering your NOCO product to upload proof of purchase and extend your effective warranty dates. You may register your NOCO product online at: no.

co/register. If you have any questions regarding your warranty or product, contact NOCO Support (email and phone number\ above) or write to: The NOCO Company, at 30339 Diamond Parkway, #102, Glenwillow, OH 44139 USA. dogopuwivogo For More Manuals Page 2 WELCOME!Thank you for buying a NOCO Genius® GEN Series On-Board Battery Charger. SAVE THESE INSTRUCTIONS. This User Guide contains important safety and operating instructions.www.geniuschargers.comWHAT’S IN THE BOX:• GEN Series On-Board Battery Charger• User Guide• Hardware KitCONTACTING NOCO:Risk of SERIOUS INJURY OR DEATH.ELECTRICAL SHOCK, EXPLOSION, FIRE, AND EYE INJURY HAZARDS.PROTECT YOURSELF AND OTHERS. 1.800.456.6626support@no.co 30339 Diamond Parkway, #102Glenwillow, OH 44139United States of AmericaPhone:Email:Mailing Address:Before use, READ AND UNDERSTAND Quick Start Guide and Owner’s Manual and User Guide. Failure to read and understand this information could result in SERIOUS INJURY or DEATH.DO NOT REMOVE OR COVER THIS INFORMATION.

Page 3 2ELECTRICAL SHOCK HAZARDCHARGER IS AN ELECTRICAL DEVICE THAT CAN SHOCK AND CAUSE SERIOUS INJURY.DO NOT CUT POWER CORDS. BATTERY POSTS, TERMINALS, AND RELATED ACCESSORIES CONTAIN CHEMICALS, INCLUDING LEAD, KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. ALWAYS WASH YOUR HANDS AFTER HANDLING THESE PRODUCTS.FIRE HAZARDCHARGER IS AN ELECTRICAL DEVICE THAT EMITS HEAT AND CAN BURN.DO NOT COVER CHARGER. EXPLOSION HAZARDUNMONITORED, INCOMPATIBLE, OR DAMAGED BATTERIES CAN EXPLODE IF USED WITH CHARGER.DO NOT LEAVE CHARGER UNATTENDED WHILE IN USE. DO NOT ATTEMPT TO CHARGE DAMAGED OR FROZEN BATTERIES.USE CHARGER ONLY WITH BATTERIES OF RECOMMENDED VOLTAGE.OPERATE CHARGER ONLY IN WELL-VENTILATED AREAS.DO NOT SMOKE OR USE ANY OTHER SOURCE OF ELECTRICAL SPARK OR FIRE WHEN OPERATING CHARGER.KEEP CHARGER AWAY FROM COMBUSTIBLE MATERIALS. Page 4 EYE INJURY HAZARDBATTERIES CAN EXPLODE AND CAUSE FLYING DEBRIS.BATTERY ACID CAN CAUSE EYE IRRITATION.WEAR EYE PROTECTION WHEN OPERATING CHARGER.AVOID CONTACT WITH EYES AND WASH HANDS AFTER USING CHARGER.IN CASE OF EYE CONTACT, FLUSH AFFECTED AREA WITH PLENTY OF WATER. RISK OF EXPLOSIVE GASES WORKING IN VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS OF UTMOST IMPORTANCE THAT YOU FOLLOW THE INSTRUCTIONS EACH TIME YOU USE THE CHARGER.To reduce risk of battery explosion, follow these instructions and those published by battery manufacturer and manufacturer of any equipment intended to be used in vicinity of battery. Review cautionary markings on these products and on engine.Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of re, electric shock, or injury to persons.To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.Do not operate charger with damaged cord or plug – replace the cord or plug immediately.Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualied service facility.Page 5 4DO NOT USE EXTENSION CORDS unless absolutely necessary.

Using an improper extension cord could result in a risk of re and electric shock and may result in property damage, personal injury or death. If extension cord must be used, make sure that:1.) The pins on the extension cord plug have the same number, size, and shape as those of the AC power cord plug on the charger. 2.) The extension cord is properly wired and is in good electrical condition. 3.) The wire size is as specied in Table 1 below:RECOMMENDED MINIMUM AWG SIZE FOR EXTENSION CORDS FOR BATTERY CHARGERSTABLE 1:AC INPUT RATING, AMPERES*Equal To Or Greater ThanBut Less

Than25(7.6)023456810121416181818181818181818161616141418161614141212101010882345681012141618201818181816161414121212121614141212101088886100(30.5)50(15.2)150(45.6)AWG SIZE OF CORDLength Of Cord, Feet (f)*If the input rating of a charger is given in watts rather than amperes, the corresponding ampere rating is to be determined by dividing the wattage rating by the voltage rating - for example:1250 watts/125 volts = 10 amperesDo not disassemble charger; take it to a qualied service facility when service or repair is required. Incorrect reassembly may result in a risk of electric shock or re.To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.EXTERNAL CONNECTIONS TO CHARGER SHALL COMPLY WITH THE UNITED STATED COAST GUARD ELECTRICAL REGULATIONS (33CFR183, SUB PART I)Page 6USE THE FOLLOWING PRECAUTIONS WHEN YOU WORK NEAR LEAD-ACID BATTERIES: • Someone should be within range of your voice or close enough to come to your aid if you have an accident.• Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes. • Wear complete eye protection and protective clothing.

Avoid touching your eyes while working near a battery. If battery acid contacts your skin or clothing, wash immediately with soap and water. If acid enters an eye, immediately ood the eye with running cold water for at least ten (10) minutes and seek medical attention as soon as possible.• Be extra cautious when handling metal tools around a battery. If you drop a metal tool near a battery it might spark or create a short circuit between the battery terminals and some other metal part.

Either event may cause a dangerous electrical shock hazard, a re, or even an explosion, resulting in property damage, personal injury, or death.• Never smoke or allow an open spark or ame in the vicinity of the battery or engine.• Remove all personal items made of metal, such as, rings, bracelets, necklaces, and watches when working with a lead-acid battery.

A lead-acid battery can produce a short-circuited current high enough to weld a metal ring or other piece of jewelry, causing a severe burn. • This battery charger is for charging LEAD-ACID BATTERIES ONLY. DO NOT USE THE BATTERY CHARGER FOR DRY-CELL BATTERIES THAT ARE COMMONLY USED WITH HOME APPLIANCES. THESE TYPES OF BATTERIES MAY BURST AND MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.•NEVER charge a frozen battery.BEFORE CHARGING• To avoid an electric arc (or spark), turn off or disconnect all of the accessories in the boat or vehicle. Always remove the cable that is connected to grounded terminal from battery rst. • Make sure the area around the battery is well-ventilated while the battery is being charged. koneyatujesihe

If necessary, use a non-metallic material to fan away the gas in the area.• If necessary, clean the battery terminals. Be careful to keep the corrosion and other debris from coming in contact with your skin or eyes.• If the battery is not a sealed battery, add distilled water to each cell (if necessary) until the battery acid solution reaches the level specied by battery manufacturer. Do not overll. hesizu For a battery without cell caps, such as a valve regulated lead-acid battery (VRLA), carefully follow the battery manufacturer’s charging instructions.• Before charging, carefully read the battery manufacturer’s specic precautions and recommended rates of charge. guide des tailles miss sixty • Determine the voltage of the battery by referring to the boat’s or vehicle’s owner’s manual and make sure that the battery charger has Page 7 6compatible voltages.• If using an extension cord, always connect to the battery charger rst, before connecting to an electrical outlet. When disconnecting, always disconnect from the electrical outlet rst. Make sure the electrical outlet is a 120VAC GFCI (Ground Fault Circuit Interrupt) outlet.LOCATING BATTERY CHARGER• Locate the battery charger as far away from the battery as possible. • Never place the battery charger directly above the battery; gases from battery will corrode and damage battery charger.

• When reading electrolyte specic gravity or ling battery, never allow battery acid to come in contact with the battery charger.• Do not operate the battery charger in a closed-in area or an area with restricted ventilation.• Do not set a battery on top of battery charger.BATTERY SPECSThe following recommendations should ONLY be considered as guidelines. zuhuhokuma Always refer to the battery manufacturer’s recommendations for battery charging. The GEN Series On-Board Battery Chargers are suitable for charging all types of 12V lead-acid batteries, including Wet (Flooded), Gel, MF (Maintenance-Free) and AGM (Absorption Glass Mat) batteries. The GEN Series On-Board Battery Chargers can be used on battery sizes from 25 to 230Ah, but can also maintain all battery sizes.Page 8CONNECTING TO THE BATTERYBefore you connect to the battery(s), make sure that the AC power plug is not connected to an electrical outlet. DO NOT CONNECT THE BATTERY CHARGER AC POWER PLUG TO THE ELECTRICAL OUTLET UNTIL ALL OTHER CONNECTIONS ARE MADE. Make sure you have identied the correct polarity of the battery terminals on the battery(s). The POSITIVE battery terminal is typically marked by these letters or symbols (POS,P,+). The NEGATIVE battery terminal is typically marked by these letters or symbols (NEG,N,-). If you are having difculty determining the polarity of the battery terminals, contact the battery manufacturer before proceeding.1.) Conrm that you have a 12V battery(s). This battery charger is for 12V LEAD-ACID BATTERIES ONLY. sozuseva

2.) Connect the POSITIVE (Red) eyelet terminal connector to the POSITIVE (POS,P,+) battery terminal. 3.) Connect the NEGATIVE (Black) eyelet terminal connector to the NEGATIVE (NEG,N,-) battery terminal.4.) Repeat steps 2 and 3 for each battery bank.5.) When disconnecting the battery charger, disconnect in the reverse sequence, removing the NEGATIVE rst. HOW TO START CHARGING1.) Conrm that you have connected the eyelet terminal connectors properly.2.) Connect the battery charger’s AC power plug into a suitable electrical outlet. DO NOT FACE THE BATTERY WHEN MAKING THIS CONNECTION. rijilopususiva 3.) Charge battery(s) until fully charged.

A Green LED will illuminate solid when the battery is fully charged.4.) The battery charger can be left connected to the battery at all times to provide maintenance charging. However, it is good practice to check the battery periodically.CHARGER MAINTENANCEGEN Series On-Board Battery Chargers do not require any maintenance. livres de fromages recettes Do not attempt to open or repair the battery charger as it will invalidate the limited warranty. A damp cloth may be used to clean dust, dirt, or other debris off of the battery charger. BEFORE ATTEMPTING TO CLEAN THE BATTERY CHARGER, MAKE SURE YOU REMOVE THE AC POWER PLUG FROM THE POWER SOURCE. Page 9 8UNDERSTANDING LED LIGHTSEach battery bank contains two (2) LEDs - a CHARGE LED and an ERROR LED. The CHARGE LED indicates the charging process (Red when charging, Green when charged) and the ERROR LED displays a Reverse Polarity or Error Condition. To understand the LED Light conguration better, see the chart below:When ChargingREDWhen ChargedGREENReverse PolarityORANGELED LIGHTS EXPLANATIONWhen the battery is charging, the CHARGE LED will be illuminated RED. The CHARGE LED will remain a solid RED color (not blinking) until the battery is fully charged.When the battery is fully charged, the CHARGE LED will be illuminated GREEN. The CHARGE LED will remain a solid GREEN color (not blinking) until either the battery charger is disconnected or the battery becomes discharged.If a Reverse Polarity condition exists, the ORANGE ERROR LED will illuminate. This ERROR condition will be displayed whether the charger is plugged in or disconnected from an AC power source. Reverse the battery connections to x this ERROR.If an ERROR condition exists, the Charge LED(s) will ash, and/or the ERROR LED with illuminate and/or ash. There are several reasons an ERROR condition could exist. For help troubleshooting ERROR conditions, see the section entitled TROUBLESHOOTING.Error ConditionFLASHINGPage 10 FEATURE OVERVIEWMULTIPLE BATTERY COMPATIBILITY (GEN2, GEN3 & GEN4)Independently charges multiple 12V batteriesWATERPROOF100% completely sealed, protects against extreme working environments & rated at IP68FULLY INTERACTIVE Automatically adjusts itself to changing current needsDESIGNED FOR SAFETY Reverse polarity, short circuit, open circuit, spark proof, overheat, overcurrent & overcharge protectedHF/HE SWITCH MODE DESIGN High-frequency, high-efciency for a lightweight, compact chargerRAPID CHARGING TECHNOLOGY Charges batteries 2X faster than traditional linear battery chargersVARIABLE INPUT COMPENSATED 100% full charge even with varying A/C input voltagesRECOVERY MODERecovers deeply discharged & sulfated batteries with pulse chargingMULTIPLE BATTERY CHEMISTRY Safely charges Wet, Gel, MF & AGM batteriesPage 11 10ABNORMALITY PROTECTION Automatically shuts “off” if charger remains in Bulk charge mode for an extended period of timeSPECIFIC GRAVITY OPTIMIZATIONA stabilizing charge that optimizes the specic gravity of a battery for increased performanceIGNITION PROTECTEDNon-igniting and temperature controlled for safe and worry-free operationCHARGING TIMESThe time required for the GEN Series to charge a normally discharged battery is shown below.

Deeply discharged batteries may take longer to charge depending on the depth of discharge (DOD). The charge time is based on an average depth of discharge to a fully charged battery.*Note: The above table is for reference purposes only. Actual data may differ due to battery conditions. The time required to charge a normally discharged battery is based on an average DOD of 50%.BATTERY SIZE(Ah)APPROXIMATE TIME TO CHARGE*(Hours)25506070809010012515020023 01.32.53.03.54.04.55.06.37.510.011.5 Page 12 Step 1 & 2: Analyze & DiagnoseChecks the battery’s initial condition, including voltage, state-of-charge and health, to determine if the battery is stable before charging.Step 3: RecoveryInitializes the Recovery desulfation process (if needed) for deeply discharged or sulfated batteries by pulsing small amounts of current.Step 4: InitializeStarts the charging process with a gentle (soft) charge.Step 5: BulkBegins the Bulk charging process based on the condition of the battery and returns 80% of the battery’s capacity.Step 6: AbsorptionBrings the charge level to 90% by delivering small amounts of current to provide a safe, efcient charge. This limits battery gassing and is essential to prolonging battery life.Step 7: OptimizationFinalizes the charging process and brings the battery to maximum capacity. In this step, the charger utilizes multi-layered charging proles to fully recapture capacity and optimize the specic gravity of the battery for increased run time and performance. gagamiyupeco The charger will switch to Maintenance if the battery tells the charger that more current is needed.Step 8: MaintenanceContinuously monitors the battery to determine when a maintenance charge should be initiated. If the battery voltage falls below its target threshold, the charger will restart the Maintenance cycle until voltage reaches its optimal state and then discontinues the charge cycle. janasi

The cycle between Optimization and Maintenance is repeated indenitely to keep the battery at full charge. The battery charger can be safely left connected indenitely without the risk of overcharging.1 2 3 4 5 6 7 8AnalyzeStepVoltage (V)Current (A)InitializeDiagnoseBulkOptimizationRecoveryAbsorptionMaintenanceExcluding CordsPage 13 12Battery BanksAmps/BankTotal AmpsInput Voltage ACWorking Voltage AC Nominal VoltageEfciencyCharging VoltageBack Current DrainRippleCharger TypeType of BatteriesBattery ChemistriesBattery CapacityHousing ProtectionCoolingOutput Leads (Length)AC Cord (Length)Dimensions (L x W x H)WeightGEN1110A10A110-120VAC, 50-60Hz70-130 VAC, 50-60Hz12VDC~90%14.4V<5mA<2%8 Step, Fully Automatic, Switch-Mode12V Lead-Acid Wet, Gel, MF & AGM25-230Ah; Maintains All Battery SizesIP68Natural Convection 6.3 Feet6.0 Feet7”x6”x3.3”6.4lbsGEN2210A20A12VDCx28.5”x6.5”x3.3”8.7lbsGEN3310A30A12VDCx311.5”x8.5”x3.25” 14.5lbsGEN4410A40A12VDCx415.6lbsWICKED SMART TIPBATTERY TESTING AND DIAGNOSTICS. The battery charger will not begin delivering any current to the battery(s) until the battery charger detects a ‘stable’ battery. A ‘stable’ battery means the eyelet terminal connectors are connected to the battery with the correct polarity (POSITIVE-TO-POSITIVE, NEGATIVE-TO-NEGATIVE) and have a tight, clean connection to the battery being charged. homipa If the battery is not stable for at least three (3) seconds, the battery charger will not begin charging the battery and the battery charger will go into an ERROR condition. If the battery is connected in reverse polarity, it is considered an ‘unstable’ battery and the ERROR LED will illuminate until the ERROR is cleared by reversing the eyelet terminal connectors. ciyufigikone Excluding Cords Page 14TROUBLESHOOTINGWHEN FLASHING LEDS ILLUMINATEWhen the battery charger detects an ERROR condition, The Charge LED(s) will ash, and/or the ERROR LED with illuminate solid. If you are seeing this ERROR condition, it could be the result of one of the following situations: • BATTERY VOLTAGE INCOMPATIBILITY Check to make sure you have a 12V battery. blue snowball ice user manual This battery charger is for 12V batteries only. If you attempting to charge a battery that is other than 12V, it could cause this ERROR condition.

Charge the appropriate battery to resolve this ERROR condition.

• LOW VOLTAGE BATTERY If the battery voltage is below 2.0VDC (12V), it could cause this ERROR condition. In this situation, the battery charger has determined that the battery voltage is too low to begin a normal charge cycle. To increase the battery voltage and allow the battery charger to begin charging, you will need to jump start the battery.• ABNORMALITY PROTECTIONThis ERROR condition is the result of the battery charger being in the Bulk mode for more than eighty (80) hours. This ERROR condition is the result of a bad battery. To resolve this ERROR condition, take the battery to a local battery store for an evaluation. • BLOWN FUSE IN BATTERY CONNECTOR HARNESS Check the fuse in the battery connector harness. download free audio books mp3 If the fuse in the battery connector harness has blown, it could cause this ERROR condition. Replace the fuse with a 15A Automotive Blade Fuse to resolve this ERROR condition.• CORROSION ON BATTERY TERMINALS Check the battery connections for battery corrosion. zidahacevu If battery corrosion is present on the battery connections, it could cause this ERROR condition. Remove the battery corrosion to resolve this ERROR condition.• LOOSE BATTERY CONNECTIONS Check the battery connections to the battery. If the battery connections are loose, it could cause this ERROR condition. Tighten the battery connections to resolve this ERROR condition.• SULFATED, DAMAGED, OR WEAK BATTERY If you have checked all other possible ERROR conditions and cannot clear the ERROR, it is probably the result of a sulfated, damaged, or weak battery. To properly diagnose a sulfated, damaged, or weak battery, take the battery to a local battery store for an evaluation.

The battery store will advise if the battery can be charged or needs replaced.Page 15 14WICKED SMART TIPLOW BATTERY. If you have a severely discharged battery, a battery that is below 9.0VDC, it could be the result of a defective battery. Batteries that have been severely discharged as a result of an accidental load should respond quickly when current is applied to the battery, resulting in a sharp increase in battery voltage.WHEN NO LIGHTS COME ON WHEN THE BATTERY CHARGER IS PLUGGED INTO AN ELECTRICAL OUTLET • WEAK AC CONNECTIONCheck if the AC outlet has power. If the AC outlet has no or limited power, it could cause this condition. Plug a light into the AC outlet to check if the outlet has power. If the light is extremely dim, this could be the result of limited AC power. The battery charger is designed for use at 70-130VAC. If there is no power or the power is below 70VAC, locate another AC outlet that has sufcient power to resolve this ERROR condition.BULK TIMEOUTFor safety, if the charger is in bulk mode for 41hours it will automatically stop charging and all LEDs will ash. If this happens, have the battery tested as it might be defective. wozebubo To restart charging, disconnect AC Power and then reconnect. disuvohupuho WICKED SMART FEATUREABNORMALITY PROTECTION. If the battery charger is in the Bulk mode for more than 80 hours, the battery charger will go into an ERROR condition. siyoxeda

This feature prevents damage if the battery is faulty.WICKED SMART TIPTESTING TO SEE IF CHARGER IS CHARGING Before applying AC power to the charger, measure the battery voltage with a digital voltmeter and write the value down. Plug the battery charger into an electrical outlet. Wait at least thirty (30) seconds and measure the battery voltage again with the digital voltmeter. The battery voltage should be higher than the previous value and slowly moving up.Page 16 BIENVENUE!Merci d’avoir acheté le chargeur de batterie intégré NOCO Genius® GEN Series.

CONSERVEZ CES INSTRUCTIONS. Ce Guide de l’utilisateur contient des instructions de sécurité et de fonctionnement importantes.www.geniuschargers.comQUE CONTIENT LA BOÎTE :• Un chargeur de batterie intégré GEN Series• Un Guide de l’utilisateur• Un kit de quincailleriePOUR CONTACTER NOCO :Risques de BLESSURES GRAVES OU MORTELLES.RISQUES DE DÉCHARGE ÉLECTRIQUE, D’EXPLOSION, DE FEU ET DE BLESSURES AUX YEUX.PROTÉGEZ-VOUS ET PROTÉGEZ LES AUTRES 1.800.456.6626support@no.co 30339 Diamond Parkway, #102Glenwillow, OH 44139United States of AmericaTéléphone :Courriel :Adresse postale :Avant d’utiliser ce produit, LISEZ ET COMPRENEZ le Guide de démarrage rapide, le Manuel du propriétaire et le Guide de l’utilisateur.

Omettre de lire et de comprendre ces informations pourrait entraîner des BLESSURES GRAVES OU MORTELLES.NE PAS ENLEVER OU COUVRIR CES INFORMATIONS. Page 17 16ÉLECTRIQUE QUI PEUT ÉLECTROCUTER ET PRODUIRE DES BLESSURES GRAVES.NE COUPEZ PAS LES CÂBLES D’ALIMENTATION LES BORNES DES BATTERIES, LES TERMINAUX ET LES ACCESSOIRES S’Y RATTACHANT CONTIENNENT DES PRODUITS CHIMIQUES INCLUANT LE PLOMB, RECONNU PAR L’ÉTAT DE LA CALIFORNIE POUR CAUSER LE CANCER, DES MALFORMATIONS CONGÉNITALES OU AUTRES DOMMAGES AU FOETUS. TOUJOURS LAVER VOS MAINS APRÈS AVOIR MANIPULÉ CES PRODUITS. RISQUE DE FEULE CHARGEUR EST UN APPAREIL ÉLECTRIQUE QUI ÉMET DE LA CHALEUR ET QUI PEUT BRÛLER.NE COUVREZ PAS LE CHARGEUR. DES BATTERIES ÉTANT SANS SURVEILLANCE, INCOMPATIBLE OU ENDOMMAGÉE, POURRONT EXPLOSER SI ELLES SONT UTILISÉES AVEC LE CHARGEUR.NE PAS LAISSER LE CHARGEUR SANS SURVEILLANCE PENDANT L’USAGE. NE TENTEZ PAS DE CHARGER DES BATTERIES ENDOMMAGÉES OU GELÉES.

N’UTILISEZ LE CHARGEUR QU’AVEC DES BATTERIES DE TENSION RECOMMANDÉE.N’UTILISEZ LE CHARGEUR QUE DANS DES ENDROITS BIEN AÉRÉS.NE PAS FUMER OU UTILISER TOUTE AUTRE SOURCE D’ÉTINCELLE ÉLECTRIQUE OU DE FEU LORSQUE LE CHARGEUR FONCTIONNE.GARDEZ LE CHARGEUR ÉLOIGNÉ DES MATIÈRES COMBUSTIBLES.Page 18 RISQUE DE BLESSURES AUX YEUXLES BATTERIES PEUVENT EXPLOSER ET CAUSER DES DÉBRIS VOLANTS.L’ACIDE DE BATTERIE PEUT CAUSER UNE IRRITATION AUX YEUX.PORTEZ DES LUNETTES DE PROTECTION LORSQUE LE CHARGEUR FONCTIONNE.ÉVITEZ TOUT CONTACT AVEC LES YEUX ET LAVEZ LES MAINS APRÈS AVOIR UTILISÉ LE CHARGEUR.EN CAS DE CONTACT AVEC LES YEUX, RINCEZ LA ZONE AFFECTÉE À GRANDE EAU.L’utilisation d’un attachement non recommandé ou non vendu par le fabricant du chargeur de batterie peut entraîner des risques de feu, décharges électriques ou blessures à d’autres personnes.Pour réduire le risque de dommage à un connecteur ou une corde électrique, tirez par le connecteur plutôt que par la corde lors du débranchement du chargeur.Ne pas faire fonctionner le chargeur avec un connecteur ou une corde endommagés — remplacez la corde ou le connecteur immédiatement.Ne pas faire fonctionner le chargeur si celui-ci a reçu un choc violent, s’il est tombé ou s’il a été autrement endommagé. Page 19 18N’UTILISEZ PAS DE CORDE DE RALLONGE à moins que ceci soit absolument nécessaire. L’utilisation d’une corde de rallonge inadaptée peut entraîner un risque de feu et de décharge électrique et peut aussi entraîner des dommages à la propriété, des blessures personnelles ou la mort. Si une corde de rallonge doit être utilisée, assurez-vous que :1.) Les broches du connecteur de la corde de rallonge ont le même nombre, la même taille et forme que celles sur le connecteur de câble d’alimentation AC du chargeur. piyuvukahuxo 2.) La corde de rallonge est correctement câblée et est en bonne condition électrique. 3.) La taille du câble est telle que spéciée dans le tableau 1 ci-dessous :MINIMUM DE TAILLE AWG RECOMMANDÉ POUR CORDES DE RALLONGE DE CHARGEURS DE BATTERIETABLEAU1 DÉBIT D’ENTRÉE AC, AMPÈRES*Égale à ou plus grande queMais moins de 7.602345681012141618181818181818181816161614141816161414121210101088234568101214161820181818181616141412121212161414121210108888630.515.2 45.6TAILLE AWG DE LA CORDELongueur de la corde, Mètre (m)*Si le débit d’entrée d’un chargeur est donné en watts plutôt qu’en ampères, le débit d’ampère correspondant est déterminé en divisant le nombre de watts par le nombre de voltages — par exemple : 1250 watts/125 volts = 10 ampèresNe pas démonter le chargeur; apportez-le dans un établissement de service qualié lorsqu’une réparation est requise. Un remontage incorrect peut entraîner des risques de décharge électrique ou d’incendie.Pour réduire les risques de décharge électrique, débranchez le chargeur de la prise avant de tenter tout entretien ou nettoyage. La mise des commandes en position d’arrêt ne réduit pas le risque.CONNEXIONS EXTERNES CHARGEUR DOIT SE CONFORMER AUX UNIS DECLARE LA GARDE CÔTIÈRE RÉGLEMENTATIONS ÉLECTRIQUES (33CFR183, PARTIE SOUS I)Page 20UTILISEZ LES PRÉCAUTIONS SUIVANTES LORSQUE VOUS TRAVAILLEZ PRÈS DE BATTERIES PLOMB-ACIDE : • Lorsque vous travaillez à proximité d’une batterie plomb-acide, quelqu’un doit toujours être à la portée de votre voix ou sufsamment près pour vous venir en aide si vous avez un accident.• Ayez toujours de l’eau douce en abondance et du savon près de vous dans le cas où l’acide de la batterie venait en contact avec la peau, les vêtements ou les yeux. • Portez une protection complète pour les yeux et des vêtements protecteurs. fagugegajemolo Évitez de toucher vos yeux lorsque vous travaillez près d’une batterie. Si l’acide de la batterie vient en contact avec votre peau ou vêtement, lavez immédiatement avec du savon et de l’eau. Si l’acide entre dans un œil, rincez celui-ci immédiatement avec de l’eau froide pendant au moins dix (10) minutes et obtenez des soins médicaux aussitôt que possible. • Soyez encore plus prudent lorsque vous manipulez des outils en métal autour d’une batterie.

Si vous échappez un outil en métal près d’une batterie, ceci pourrait créer un court-circuit entre les bornes de la batterie et une autre partie de métal. Dans les deux cas, un risque de décharge électrique dangereux, un feu ou même une explosion pourrait être provoqué, entraînant des dommages, des blessures personnelles ou la mort.• Ne jamais fumer ou permettre une étincelle ou une amme nue dans l’enceinte de la batterie ou du moteur. • Enlevez tous les effets personnels faits de métal, tels les bagues, bracelets, colliers et les montres lorsque vous travaillez avec une batterie plomb-acide. Une batterie plomb-acide peut produire un courant de court-circuit assez élevé pour fondre une bague en métal ou autres bijoux, pouvant ainsi causer une brûlure sévère. • Ce chargeur de batterie est pour charger les BATTERIES PLOMB-ACIDE SEULEMENT.

N’UTILISEZ PAS LE CHARGEUR DE BATTERIE POUR DES BATTERIES À PILES SÈCHES COMMUNÉMENT UTILISÉES POUR LES APPAREILS ÉLECTROMÉNAGERS. CES TYPES DE BATTERIES PEUVENT ÉCLATER ET CAUSER DES DOMMAGES À LA PROPRIÉTÉ, DES BLESSURES PERSONNELLES OU LA MORT.• NE JAMAIS charger une batterie gelée.AVANT DE CHARGER• An d’éviter un arc électrique (ou étincelle), fermez ou débranchez tous les accessoires se trouvant dans le bateau ou le véhicule. Toujours enlever d’abord le câble qui est branché à la borne de mise à la terre à partir de la batterie. • Assurez-vous que la zone autour de la batterie est bien aérée pendant que la batterie est en mode de charge. Si nécessaire, utilisez un matériel non métallique pour éventer le gaz de cette zone.• Si nécessaire, nettoyez les bornes de la batterie. Faites attention que la corrosion et autres débris ne viennent en contact avec votre peau ou vos yeux.Page 21 20• Si la batterie n’est pas une batterie étanche, ajoutez de l’eau distillée à chaque cellule (si nécessaire) jusqu’à ce que la solution acide de la batterie atteigne le niveau spécié par le fabricant de la batterie. Ne pas faire déborder. Pour une batterie sans bouchon de cellule, telle une batterie au plomb-acide régulée par soupape (VRLA), suivre soigneusement les instructions du fabricant pour le chargement de la batterie.• Avant de charger, lire attentivement les précautions spéciques du fabricant de la batterie et les taux de charge recommandés. • Déterminez la tension de la batterie en se référant au manuel du propriétaire du bateau ou du véhicule et assurez-vous que le chargeur de batterie a des tensions compatibles.• Si vous utilisez une corde de rallonge, toujours brancher d’abord au chargeur de batterie avant de se brancher à une prise électrique. Lors du débranchement, toujours débrancher à partir de la prise de courant en premier lieu. Assurez-vous que la prise de courant est un disjoncteur à défaut de terre GFCI (Ground Fault Circuit Interrupt).DÉTERMINER L’EMPLACEMENT DU CHARGEUR DE BATTERIE• Placez le chargeur de batterie le plus loin possible de la batterie. • Ne jamais placer le chargeur de batterie directement au-dessus de la batterie; les gaz de la batterie se corroderont et endommageront le chargeur de batterie.

• Lorsque vous lisez la densité d’électrolyte minimum ou le classement de la batterie, ne jamais laisser l’acide de la batterie venir en contact avec le chargeur de batterie.• Ne pas faire fonctionner le chargeur de batterie dans une zone fermée ou ayant une ventilation restreinte.• Ne pas placer une batterie par-dessus le chargeur de batterie.SPÉCIFICATIONS DE BATTERIELes recommandations suivantes sont à considérer comme directives générales SEULEMENT. Toujours vous référer aux recommandations du fabricant de la batterie pour le chargement de batterie. Les chargeurs de batteries intégrés GEN Series sont convenables pour charger tous les types de batteries plomb-acide 12V, incluant humides (noyées), au gel, à l’électrolyte liquide AGM et MF (sans entretien). Les chargeurs de batteries intégrés GEN Series peuvent être utilisés sur des tailles de batteries allant de 25 à 230 Ah, mais maintiennent aussi toutes les tailles de batterie.Page 22SE CONNECTER À LA BATTERIEAvant de se connecter à la (aux) batterie (s), assurez-vous que la prise d’alimentation AC ne soit pas branchée à une prise électrique. NE PAS CONNECTER LA PRISE D’ALIMENTATION AC DU CHARGEUR DE BATTERIE À UNE PRISE ÉLECTRIQUE AVANT QUE TOUTES AUTRES CONNEXIONS NE SOIENT FAITES.

Assurez d’avoir identié la bonne polarité des bornes de batterie sur la (les) batterie (s). La borne POSITIVE de la batterie est généralement indiquée par ces lettres ou symboles (POS, P, +). La borne NÉGATIVE de la batterie est généralement indiquée par ces lettres ou symboles (NEG, N, -). kehowe

Si vous avez de la difculté à déterminer la polarité des bornes de batterie, contactez le fabricant de la batterie avant de procéder.1.) Conrmez que vous avez une batterie (s) 12V. Ce chargeur de batterie n’est SEULEMENT QUE POUR LES BATTERIES PLOMB-ACIDE 12V. 2.) Branchez le connecteur POSITIF (rouge) de borne de l’œillet à la borne POSITIVE (POS,P,+) de la batterie 3.) Branchez le connecteur NÉGATIF (noir) de borne de l’œillet à la borne NÉGATIVE (NEG,N,-) de la batterie4.) Répétez les étapes 2 et 3 pour chaque banc de batterie.5.) Lors du débranchement du chargeur de batterie, débranchez dans l’ordre inverse, en enlevant le NÉGATIF pour commencer.

COMMENT AMORCER LE CHARGEMENT1.) Conrmez d’avoir correctement connecté les connecteurs de borne d’œillet.2.) Connectez la prise d’alimentation AC du chargeur de batterie dans une prise électrique appropriée. jeyosijunuro NE PAS FAIRE FACE À LA BATTERIE LORSQUE VOUS FAITES CETTE CONNEXION. 3.) Chargez la (les) batterie (s) jusqu’à charge complète. La DEL verte sera allumée sans interruption lorsque la batterie est complètement chargée. 4.) Le chargeur de batterie peut rester connecté à la batterie en tout temps pour offrir un maintien de charge. yora Il est cependant une bonne pratique de vérier la batterie périodiquement.ENTRETIEN DU CHARGEURLes chargeurs de batteries intégrés GEN Series ne nécessitent aucun entretien. Ne tentez pas d’ouvrir ou de réparer le chargeur de batterie; ceci annulera la garantie limitée. Un linge humide peut être utilisé pour nettoyer la poussière, la saleté ou autres débris sur le chargeur de batterie.

ASSUREZ-VOUS D’AVOIR DÉBRANCHÉ LA PRISE D’ALIMENTATION AC DE LA SOURCE DE PUISSANCE AVANT DE TENTER DE NETTOYER LE CHARGEUR DE BATTERIE. Page 23 22COMPRENDRE LES LUMIÈRES DELChaque batterie contient deux (2) DELs — une DEL CHARGE et une DEL ERREUR. La DEL CHARGE indique le processus de charge (rouge lorsque se charge et vert lorsque chargé) et la DEL ERREUR afche une inversion de polarité ou une condition d’erreur. Pour mieux comprendre la conguration de lumière DEL, voir le tableau ci-dessous :Lorsqu’en chargementROUGELorsque chargéVERTEInversion de polaritéORANGELUMIÈRES DEL EXPLICATIONSLorsque la batterie se charge, la DEL CHARGE sera allumée ROUGE. La DEL CHARGE demeurera de la couleur ROUGE continue (sans clignoter) jusqu’à ce que la batterie soit complètement chargée. Lorsque la batterie est complètement chargée, la DEL sera allumée VERTE. La DEL CHARGE demeurera de la couleur VERTE continue (sans clignoter) jusqu’à ce que le chargeur de batterie soit débranché ou que la batterie ne soit plus chargée.Si une condition d’inversion de polarité existe, la DEL ORANGE ERREUR s’allumera. Cette condition d’erreur sera afchée que le chargeur soit branché ou déconnecté d’une source de puissance AC. Renversez les connexions de batterie pour réparer cette ERREUR.Si une condition d’erreur existe, le voyant de charge (s) se met à clignoter, et / ou la LED s’allume avec et / ou Flash ERREUR.

Il ya plusieurs raisons pour lesquelles un état d’erreur peut exister. Pour aider les conditions d’erreur de dépannage, consultez la section intitulée DÉPANNAGE.Condition d’erreurCLIGNOTEPage 24 APERÇU DES FONCTIONSCOMPATIBILITÉ POUR MULTIPLES BATTERIES (GEN2, GEN3, GEN4)Charge indépendamment multiples batteries 12V.IMPERMÉABLE100 % imperméable, protège contre les environnements de travail extrêmes et intempérisé IP68.TOTALEMENT INTERACTIF S’ajuste automatiquement aux besoins changeants de courant.CONÇU POUR LA SÉCURITÉInverse la polarité, les courts-circuits, circuits ouverts, anti-étincelles, le surchauffage, la surintensité et la surcharge.CONCEPTION DE MODE DE COMMUTATION HF/HE Haute fréquence et haute efcacité pour un chargeur léger et compactTECHNOLOGIE DE CHARGE RAPIDE Charge les batteries 2 fois plus vite que les chargeurs classiques linéairesENTRÉE VARIABLE COMPENSÉE Chargé à 100 % même avec des variations de tension d’entrée ACMODE DE RÉCUPÉRATIONRécupère profondément les batteries déchargées & sulfatées avec un chargement à impulsions Page 25 24MULTIPLES FORMULES CHIMIQUES DE BATTERIES Charge sans risque les batteries humides, au gel, à l’électrolyte liquide, MF et AGMPROTECTION D’ANOMALIE S’arrête automatiquement si le chargeur demeure en mode de charge de masse pour une période prolongée OPTIMISATION DE GRAVITÉ SPÉCIFIQUEUne stabilisation de charge qui optimise la gravité spécique d’une batterie pour une performance accruePROTÉGÉ DE L’IGNITIONNon inammable et à température contrôlée pour un fonctionnement sûr et sans souciDURÉES DE

CHARGEMENTLa durée requise du GEN Series à charger une batterie normalement déchargée est montrée ci-dessous. Des batteries très déchargées peuvent prendre plus de temps à charger, dépendamment de la profondeur de décharge (DOD).
La durée de charge est basée sur une moyenne de profondeur de décharge à une batterie complètement chargée.*Note : Le tableau ci-dessus n’est que pour référence seulement. Les données réelles peuvent varier selon les conditions de la batterie. La durée requise pour charger une batterie normalement déchargée est basée sur un DOD de 50 %.TAILLE DE BATTERIE (Ah)DURÉE APPROXIMATIVE DE CHARGEMENT* (Heures)25506070809010012515020023 01.32.53.03.54.04.55.06.37.510.011.5 Page 26 Étape 1 & 2 : Analyse & Diagnostic Vériez la condition générale de la batterie, incluant la tension, l’état de charge et de santé, pour déterminer si la batterie est stable avant le chargement.Étape 3 : RécupérationInitialisez le processus de récupération de désulfatation (si besoin) pour des batteries très déchargées ou sulfatées et ce, en envoyant de petites quantités de courant.Étape 4 : InitialisezDébutez la procédure de chargement avec une charge légère (douce).Étape 5 : MasseDébutez la procédure de chargement de masse basée sur la condition de la batterie et un retour de 80 % de la capacité de la batterie.Étape 6 : AbsorptionAmène le niveau de charge à 90 % en livrant de petites quantités de courant pour fournir une charge sûre et efcace. Ceci limite la gazéication de batterie et est essentiel au prolongement de durée de vie de la batterie.Étape 7 : OptimisationFinalise la procédure de chargement et amène la batterie à ras bord. Dans cette étape, le chargeur utilise des prols de chargement multidimensionnels pour capturer pleinement la capacité et optimiser la gravité spécique de la batterie, apportant ainsi une durée de fonctionnement et une performance accrues. bulagopijupa Le chargeur passera à Maintenance si la batterie indique au chargeur que plus de courant est nécessaire.Étape 8 : MaintenanceSurveillez continuellement la batterie an de déterminer quand une charge de maintenance devrait être amorcée.
Si la tension de batterie tombe au-dessous du seuil cible, le chargeur redémarrera le cycle de maintenance jusqu’à ce que la tension atteigne son état optimal et discontinuera ensuite le cycle de charge. jofimixowivi
Le cycle entre Optimisation et Maintenance se répète indéniment pour garder la batterie en charge pleine. Le chargeur de batterie peut être laissé branché indéniment en toute sécurité sans risque de la surcharger.Bancs de batterieAmpères/BancTotal d’AMPSTension d’entrée ACTension nominaleEfcacitéTension de chargeFuite de courant de retourOndulationType de chargeurTypes de batteriesFormules chimiques Capacité de batterieProtection du boîtierRefroidissementFils de sortie (m)Câble AC (m)Dimensions (cm)Poids (kg)AnalyseÉtapeTension (V)Courant (A)InitialisezDiagnosticMasseOptimizationRécupérationAbsorptionMaintenance