



GEN Series

On-Board Battery Chargers

Owner's Manual & User Guide

WARNING



Risk of SERIOUS INJURY OR DEATH.

**ELECTRICAL SHOCK, EXPLOSION,
FIRE, AND EYE INJURY HAZARDS.**

PROTECT YOURSELF AND OTHERS.

Before use, **READ AND UNDERSTAND** the manufacturer's instructions 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.

WELCOME!

Thank you for buying the **NOCO Genius GEN Series On-Board Battery Charger**. **SAVE THESE INSTRUCTIONS**. This Owner's Manual and User Guide contains important safety and operating instructions.

WHAT'S IN THE BOX:

- **GEN Series Charger**
- **Owner's Manual & User Guide**
- **Hardware Kit**

CONTACTING NOCO GENIUS

About Our Products

For questions regarding our products, you can contact technical support at:

Phone: 1.800.456.6626

Email: support@geniuschargers.com

You can also find troubleshooting tips in this manual. See the section called "Troubleshooting." You can also find our troubleshooting tips online at:

[geniuschargers.com/
support/faq](http://geniuschargers.com/support/faq)

About Our Products

NOCO Genius is a brand of Wicked Smart Battery Chargers developed by The NOCO Company.

THE NOCO COMPANY



30339 Diamond Parkway, #102
Glenwillow, OH 44139
United States of America


Hours of Operation:



Between 8AM & 5PM (EST)
Monday through Friday


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! DANGER	
	<p>ELECTRICAL SHOCK HAZARD</p> <p>CHARGER IS AN ELECTRICAL DEVICE THAT CAN SHOCK AND CAUSE SERIOUS INJURY.</p> <p>DO NOT CUT POWER CORDS.</p>
	<p>EXPLOSION HAZARD</p> <p>UNMONITORED, INCOMPATIBLE, OR DAMAGED BATTERIES CAN EXPLODE IF USED WITH CHARGER.</p> <p>DO NOT LEAVE CHARGER UNATTENDED WHILE IN USE.</p> <p>DO NOT ATTEMPT TO CHARGE DAMAGED OR FROZEN BATTERIES.</p> <p>USE CHARGER ONLY WITH BATTERIES OF RECOMMENDED VOLTAGE.</p> <p>OPERATE CHARGER ONLY IN WELL-VENTILATED AREAS.</p>

! WARNING	
	<p>FIRE HAZARD</p> <p>CHARGER IS AN ELECTRICAL DEVICE THAT EMITS HEAT AND CAN BURN.</p> <p>DO NOT COVER CHARGER.</p> <p>DO NOT SMOKE OR USE ANY OTHER SOURCE OF ELECTRICAL SPARK OR FIRE WHEN OPERATING CHARGER.</p> <p>KEEP CHARGER AWAY FROM COMBUSTIBLE MATERIALS.</p>
<p>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.</p> <p>ALWAYS WASH YOUR HANDS AFTER HANDLING THESE PRODUCTS.</p>	

! WARNING		
	<p>EYE INJURY HAZARD</p> <p>BATTERIES CAN EXPLODE AND CAUSE FLYING DEBRIS.</p> <p>BATTERY ACID CAN CAUSE EYE IRRITATION.</p> <p>WEAR EYE PROTECTION WHEN OPERATING CHARGER.</p> <p>AVOID CONTACT WITH EYES AND WASH HANDS AFTER USING CHARGER.</p> <p>IN CASE OF EYE CONTACT, FLUSH AFFECTED AREA WITH PLENTY OF WATER.</p>	

! WARNING	
	<p>RISK OF EXPLOSIVE GASES</p> <p>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.</p> <p>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.</p>

⚠ CAUTION

Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, 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 qualified serviceman.

Do not disassemble charger; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.

To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.

DO NOT USE EXTENSION CORDS unless absolutely necessary. Using an improper extension cord could result in a risk of fire 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 specified in Table I below:

TABLE 1: RECOMMENDED MINIMUM AWG SIZE FOR EXTENSION CORDS FOR BATTERY CHARGERS

AC INPUT RATING, AMPERES*		AWG SIZE OF CORD			
		Length Of Cord, Feet (m)			
Equal To Or Greater Than	But Less Than	25 (7.6)	50 (15.2)	100 (30.5)	150 (45.6)
0	2	18	18	18	16
2	3	18	18	16	14
3	4	18	18	16	14
4	5	18	18	14	12
5	6	18	16	14	12
6	8	18	16	12	10
8	10	18	14	12	10
10	12	16	14	10	8
12	14	16	12	10	8
14	16	16	12	10	8
16	18	14	12	8	8
18	20	14	12	8	6

*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:

$$1250 \text{ watts} / 125 \text{ volts} = 10 \text{ amperes}$$

PERSONAL PRECAUTIONS

USE 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 flood 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 fire, or even an explosion, resulting in property damage, personal injury, or death.
- Never smoke or allow an open spark or flame 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 vehicle. Always remove the cable that is connected to grounded terminal from battery first.
- Make sure the area around the battery is well-ventilated while the battery is being charged. If necessary, use a non-metallic material to blow 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 specified by battery manufacturer. Do not overfill. 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 specific precautions and recommended rates of charge.
- Determine the voltage of the battery by referring to the vehicle's owner's manual and make sure that the charge mode is set at the correct voltage.
- If using an extension cord, always connect to the battery charger first, before connecting to an electrical outlet. When disconnecting from an electrical out, always disconnect from the electrical outlet first. 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 specific gravity or filling 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.

MOUNTING BATTERY CHARGER

The GEN Series battery chargers have four (4) external mounting holes in the casing of the battery charger enclosure. These external mounting holes can be used to mount the battery charger permanently in a desired location for battery charging. When mounting the battery charger to a fixed location, keep in mind the distance to the battery from the battery charger. The cable length from the battery charger to the eyelet terminal connectors is approximately 67". Allow for at least 12" of slack in the battery connections. Thus, we recommend not to extend the battery connections past 55".

Make sure the mounting location has adequate strength to support the battery charger. Use the battery charger mounting holes as a template to mark the holes to be drilled. Drill the mounting holes and secure the battery charger in the desired location with the screws and washers supplied. Use a silicone sealer to waterproof the screw holes. Prepare the battery(s) before making any connections. Make sure all battery terminals are clean and free of battery corrosion.

BATTERY SPECS

The following recommendations should ONLY be considered as guidelines. 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.

CONNECTING TO THE BATTERY

Before 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 identified 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 symbol (NEG,N,-). If you are having difficulty determining the polarity of the battery terminals, contact the battery manufacturer before proceeding.




- 1.) Confirm that you have a 12V battery(s). This battery charger is for 12V LEAD-ACID BATTERIES ONLY.
- 2.) Connect the POSITIVE (Red) battery 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.

HOW TO START CHARGING

- 1.) Confirm 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.**
- 3.) Charge battery(s) until fully charged. A Green LED will illuminate when the battery is fully charged.

UNDERSTANDING CHARGE LEDES

Each battery bank contains two (2) CHARGE LEDs - Red and Green. The CHARGE LEDs indicate the charging process or an ERROR condition. To understand the CHARGE LEDs, see the chart below:

CHARGE LED	EXPLANATION
<p>Charging LED</p> 	<p>When the battery is charging, a single Red CHARGE LED will illuminate. The CHARGE LED will remain a solid Red color (not blinking) until the battery is fully charged. The Red CHARGE LED is always left of the Green LED.</p>
<p>Charged LED</p> 	<p>When the battery is fully charged, a single Green CHARGE LED will illuminate. The CHARGE LED is remain solid (not blinking) until either the battery charger is disconnected or the battery becomes discharged. The Green CHARGE LED is always Right of the Red LED.</p>
<p>ERROR LEDES</p> 	<p>If an ERROR condition exists, both CHARGE LEDs will illuminate and will ‘flash’ back and forth at 5Hz. There are several reasons an ERROR condition could exist, for help trouble shooting ERROR conditions, see the section entitled TROUBLESHOOTING.</p>

FEATURE OVERVIEW



MULTIPLE BATTERY COMPATIBILITY
Charges Multiple 12V batteries



WATERPROOF
100% completely sealed, protects against extreme working environments & rated at IP68



FULLY INTERACTIVE
Automatically adjusts itself to changing current needs



DESIGNED FOR SAFETY
Reverse polarity, short circuit, open circuit, spark proof, overheat, overcurrent & overcharge



HF/HE SWITCH MODE DESIGN
High-frequency, high-efficiency for a lightweight, compact charger



RAPID CHARGING TECHNOLOGY
Charges batteries 2X faster than traditional linear battery chargers



VARIABLE INPUT COMPENSATED
100% full charge even with varying A/C input voltages



MULTIPLE BATTERY CHEMISTRY
Safely charges Wet, Gel, MF & AGM batteries




ABNORMALITY PROTECTION
Automatically shuts “off” if charger remains in Bulk charge mode for an extended period of time



IGNITION PROTECTED
Safely extinguishes any potential sparks.

WICKED SMART TIP
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. If the battery is not stable for at least thirty (30) 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 LEDS will flash until the ERROR is cleared by reversing the eyelet terminal connectors. If the eyelet terminal connectors are disconnected at any point during the charging cycle, the battery charger will turn ‘off’ to help eliminate any possibility of spark. Similarly, if the eyelet terminal connectors are loose and making intermittent contact, the battery charger will turn ‘off’ to help eliminate any possibility of spark. **That’s Smart, Wicked Smart.™**

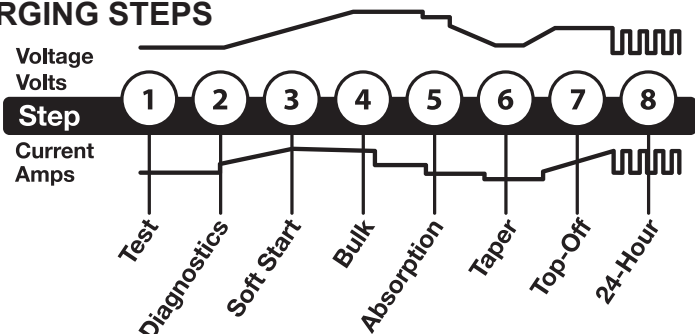
WICKED SMART FEATURE



The VosFX Processor is a revolutionary smart processor utilizing sophisticated levels of intelligence to alter the charge process based on organic feedback from the battery to extend battery life. The VosFX Processor quickly and efficiently makes decisions on how to charge the battery without risking user safety or damage to the battery.

Now That’s Smart, Wicked Smart.™

CHARGING STEPS



Step 1 & 2: Diagnostics

Checks battery voltage to make sure battery connections are good & battery is in a stable condition.

Step 3: Soft Start

Begins Bulk charging process with a gentle (soft) charge.

Step 4-5: Bulk

Continues Bulk charging process, returns 80% of battery capacity.

Step 6: Absorption

Brings the charge level to 90%. The battery charger will deliver small amounts of current to provide a safe, efficient charge and limit battery gassing.

Step 7: Trickle

Battery is fully charged and ready to use, indicated by the CHARGE LED being a solid Green. In this step, the battery charger will only deliver enough current to keep the battery full. If the battery tells the charger that more current is needed, the battery charger will switch to Maintenance.

Step 8: Maintenance

Continuously monitors the battery voltage to determine if a maintenance charge should be initiated. If the terminal voltage falls below 12.8V, the charger will start the Maintenance cycle until voltage reaches 14.4V and then discontinues the charge cycle. The cycle between Trickle and Maintenance is repeated indefinitely to keep the battery at full charge, without overcharging. The battery charger can be left connected indefinitely.

CHARGING TIMES

The 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.

BATTERY SIZE (Ah)	APPROXIMATE TIME TO CHARGE* (Hours)
25	1.6
30	1.9
40	2.5
50	3.1
60	3.8
100	6.3
120	7.5
180	11.3
230	14.4

*Note: The above table is for reference purposes only. Actual data may differ due to battery conditions. The time required for the GEN Series to charge a normally discharged battery is based on an average DOD of 50%.

MAINTENANCE

GEN Series battery chargers do not require any maintenance. 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.

WICKED SMART TIP

RIPPLE. Describes the disturbances by current and voltage. A ripple voltage may cause damage to other equipment connected to the battery. Less than 2% is wicked low, which will help increase battery life and protect equipment from damage.

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	GEN1	GEN2
Battery Banks	1	2
Amps/Bank	10A	10A
Total Amps	10A	20A
Input Voltage AC	110-120VAC, 50-60Hz	110-120VAC, 50-60Hz
Working Voltage AC	70-130 VAC, 50-60Hz	70-130 VAC, 50-60Hz
Nominal Voltage	12VDC	12-24VDC
Efficiency	90%	90%
Charging Voltage	14.4V	14.4V
Back Current Drain	<1mAh	<1mAh
Ripple	<2%	<2%
Charger Type	8 Step, Fully Automatic, Switch-Mode	8 Step, Fully Automatic, Switch-Mode
Type of Batteries	12V Lead-Acid	12V Lead-Acid
Battery Chemistries	Wet, Gel, MF & AGM	Wet, Gel, MF & AGM
Battery Capacity	25-230Ah	25-230Ah
Housing Protection	IP68	IP68
Cooling	Natural Convection	Natural Convection
Output Leads (Length)	6 Feet	6 Feet
AC Cord (Length)	5 Feet	5 Feet
Dimensions (L x W x H)	6.0 x 5.1 x 2.5 in.	6.0 x 5.1 x 2.5 in.
Weight	3.75 Pounds	3.75 Pounds

GEN3	GEN4	GEN5	GEN6
3	4	5	6
10A	10A	10A	10A
30A	40A	50A	60A
110-120VAC, 50-60Hz	110-120VAC, 50-60Hz	110-120VAC, 50-60Hz	110-120VAC, 50-60Hz
70-130 VAC, 50-60Hz	70-130 VAC, 50-60Hz	70-130 VAC, 50-60Hz	70-130 VAC, 50-60Hz
12-36VDC	12-48VDC	12-60VDC	12-72VDC
90%	90%	90%	90%
14.4V	14.4V	14.4V	14.4V
<1mAh	<1mAh	<1mAh	<1mAh
<2%	<2%	<2%	<2%
8 Step, Fully Automatic, Switch-Mode	8 Step, Fully Automatic, Switch-Mode	8 Step, Fully Automatic, Switch-Mode	8 Step, Fully Automatic, Switch-Mode
12V Lead-Acid	12V Lead-Acid	12V Lead-Acid	12V Lead-Acid
Wet, Gel, MF & AGM	Wet, Gel, MF & AGM	Wet, Gel, MF & AGM	Wet, Gel, MF & AGM
25-230Ah	25-230Ah	25-230Ah	25-230Ah
IP68	IP68	IP68	IP68
Natural Convection	Natural Convection	Natural Convection	Natural Convection
6 Feet	6 Feet	6 Feet	6 Feet
5 Feet	5 Feet	5 Feet	5 Feet
6.0 x 5.1 x 2.5 in.	6.0 x 5.1 x 2.5 in.	6.0 x 5.1 x 2.5 in.	6.0 x 5.1 x 2.5 in.
3.75 Pounds	3.75 Pounds	3.75 Pounds	3.75 Pounds

WHEN FLASHING LEDS ILLUMINATE

When the battery charger detects an ERROR condition, the CHARGE LEDs will flash back and forth. 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. 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.

• SULFATED, DAMAGED, OR POOR BATTERY

This ERROR condition can be the result of a sulfated, damaged, or poor battery. To properly diagnose a sulfated, damaged, or poor battery, take the battery to a local battery store for an evaluation. If you have checked all other possible ERROR conditions and cannot clear the ERROR, it is probably the result of a sulfated, damaged, or poor battery.

• LOW VOLTAGE BATTERY

If the battery voltage is below 2.0VDC (12V), it could cause this ERROR condition. See the section entitled "LOW VOLTAGE BATTERY" below to resolve this ERROR condition.

• Abnormality Protection

This ERROR condition is the result of the battery charger being in the Bulk mode for more than twenty-four (24) 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. 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. 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.

WHEN NO LIGHTS COME ON WHEN THE BATTERY CHARGER IS PLUGGED INTO AN ELECTRICAL OUTLET**• POOR AC CONNECTION**

Check 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 sufficient power to resolve this ERROR condition.

LOW VOLTAGE BATTERY

If the battery voltage is below 2.0VDC (12V), an ERROR condition will occur and the CHARGE LEDs will flash back and forth, indicating the battery is out of range for the battery charger. 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.

TESTING 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.

WICKED SMART TIP

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.

Now That's Smart, Wicked Smart.™

**WICKED SMART FEATURE
ABNORMALITY PROTECTION.**

Now That's Smart, Wicked Smart.™

The NOCO Company (“NOCO”) warrants that its Battery Charger products (the “Product”) will be free from defects in material and workmanship for a period of three (3) years from the date of purchase (the “Warranty Period”). For defects reported during the Warranty Period, NOCO will, at its discretion, and subject to NOCO’s technical support analysis, either repair or replace, for the fees set forth below, any Product manufactured by NOCO that contains such a defect. Replacement parts and products will be new or serviceably used, comparable in function and performance to the original part and warranted for the remainder of the original Warranty Period.

THE FOREGOING LIMITED WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

NOCO’S LIABILITY UNDER THIS LIMITED WARRANTY IS EXPRESSLY LIMITED TO REPLACEMENT (IN THE FORM AND UNDER THE TERMS ORIGINALLY SHIPPED), OR TO REPAIR, WHETHER SUCH CLAIMS ARE FOR BREACH OF WARRANTY OR FOR NEGLIGENCE. NOCO SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL LOSSES, DAMAGES OR EXPENSES OF ANY KIND, INCLUDING, WITHOUT LIMITATION, ANY SUCH LOSSES, DAMAGES, OR EXPENSES ARISING DIRECTLY OR INDIRECTLY FROM THE SALE, HANDLING, OR USE OF THE PRODUCT FROM ANY OTHER CAUSE RELATING THERETO, OR FROM PERSONAL INJURY OR LOSS OF PROFIT.

Some states do not allow the exclusion or limitation of incidental or consequential damages or length of an implied warranty so the above limitation(s) or exclusion(s) may not apply. This Limited Warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

This Limited Warranty is made to the original purchaser from NOCO and does not extend to any other person or entity and is not assignable. It is the obligation of the original purchaser to forward the Product, with the proof of purchase and completed Product registration, prepaid, to NOCO. All warranties should be sent to:

The NOCO Company
 Attn: Warranty Department
 30339 Diamond Parkway, #102
 Glenwillow, OH 44139 USA

THE COSTS OF TRANSPORTING PRODUCTS TO NOCO FOR WARRANTY SERVICE IS THE RESPONSIBILITY OF THE ORIGINAL PURCHASER. THIS LIMITED WARRANTY IS VOID UNDER THE FOLLOWING CONDITIONS:

- 1.) The Product is misused, subjected to careless handling, or operated under conditions of extreme temperature, shock, or vibration beyond NOCO's recommendations for safe and effective use.
- 2.) The Product has not been installed, operated, or maintained in accordance with approved procedures.
- 3.) The Product is disassembled, altered, or repaired by anyone, except NOCO.
- 4.) The electrical connections to either the AC input or the DC output of the charger are modified without the express written consent of NOCO.
- 5.) The Product is subject to improper storage or accident.
- 6.) The original purchaser fails to complete and submit the Product registration online.

THIS LIMITED WARRANTY DOES NOT COVER:

- 1.) Normal wear and tear.
- 2.) Cosmetic damage that does not affect functionality.
- 3.) Products where the NOCO serial number is missing, altered, or defaced.

LIMITED WARRANTY FEES

These fees apply only to Product during the Warranty Period. The Limited Warranty is void either by elapsed time from date of purchase or from the conditions listed earlier in this document. Return Product with the appropriate documentation along with a check for the applicable fees, as set forth below. Make checks payable to The NOCO Company.

\$USD

	WITH RECEIPT		NO RECEIPT
	< 1.5 YEAR	1.5-3 YEARS	ANYTIME
GEN1	\$0.00	\$27.95	\$41.95
GEN2	\$0.00	\$44.95	\$65.95
GEN3	\$0.00	\$54.95	\$81.95
GEN4	\$0.00	\$72.95	\$108.95
GEN5	\$0.00	\$90.95	\$135.95
GEN6	\$0.00	\$108.95	\$162.95

The Warranty Fee structure may change without notice. Please refer to our website for the current fee structure.

REGISTER MY BATTERY CHARGER

You must register the battery charger in order to validate the Limited Warranty. You can register the battery charger online.

To register your product on-line, please visit: geniuschargers.com/register. Complete the requested information and click "submit."

geniuschargers.com

NGCGENA-ENG