

Automatically Diagnoses, Recovers, Charges & Maintains Your Batteries!
Now that's Smart...Wicked Smart!



The G3500 is a smart, 8 Step, fully automatic switch-mode battery charger and maintainer. The G3500 restores batteries to their original capacity, recovers slightly sulfated batteries, charges batteries in cold climates, rescues drained batteries, and provides maintenance charging to increase battery life. A versatile battery charger that provides charging modes for both large and small batteries from 1.2-120Ah, such as Cars, RVs, Boats and Trucks, as well as for Motorcycles, ATVs, Jet Skis or Snowmobiles.

Wicked Smart Features



6V/12V COMPATIBILITY
 Charges 6V & 12V batteries



EXTENDABLE CONNECTORS
 Plug-n-play connectors for easy accessory changes



RECOVERY MODE
 Recovers deeply discharged & sulphated batteries with pulse charging



AUTO-MEMORY
 Returns to last selected mode when restarted



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



COLD/AGM MODE
 Optimized charge mode for cold weather or AGM batteries



FULLY INTERACTIVE
 Automatically adjusts itself to changing current needs



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

+ SMALL BATTERY MODE



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



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

NOCO VosFX Processor

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.

POWERED BY



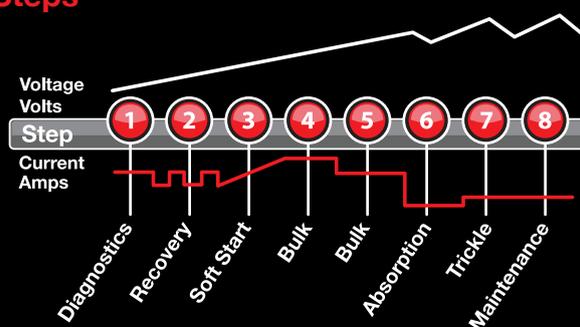
G3500 3.5A (3500mA) 6V & 12V

Multi-Purpose Battery Charger



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Charging Steps



Step 1: Diagnostics

Checks the battery voltage to make sure battery connections are good and the battery is in a stable condition before beginning the charge process.

Step 2: Recovery

Initializes the Recovery process, if needed, for deeply discharged or sulfated (desulfation) batteries by pulsing small amounts of current.

Step 3: Soft Start

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

Step 4-5: Bulk

The Bulk charging process continues using both a High Rate and Medium Rate charge and returns 80% of battery capacity, indicated by the 25%, 50% and 75% CHARGE LEDs.

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 100% 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 6.4V (6V) and 12.8V (12V), the charger will start the Maintenance cycle until voltage reaches 7.2V (6V) and 14.4V (12V) 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.

Technical Specifications

Input Voltage AC	110-120 VAC, 50-60Hz
Working Voltage AC	85-130 VAC, 50-60Hz
Input Current	1200mA RMS Max
Efficiency	85% Approx.
Power	60W Max
Charging Voltage	7.2/14.4, 7.4/14.7V (Cold/AGM)
Charging Current	3500mA (Large), 900mA (Small)
Back Current Drain	<5mA
Ripple	<2%
Charger Type	8 Step, Fully Automatic, Switch-Mode
Type of Batteries	6V & 12V Lead-Acid
Battery Chemistries	Wet, Gel, MF & AGM
Battery Capacity	14-120Ah (Large), 1.2-14Ah (Small)
Housing Protection	IP65
Cooling	Natural Convection
Noise Level	<50 dB
Dimensions (L x W x H)	7.7 x 2.7 x 1.9 Inches
Weight	1.1 Pounds

5 Year Limited Warranty

What's In The Box

- G3500 Charger
- Battery Clamp Connectors
- Eyelet Terminal Connectors
- Owner's Manual & User Guide



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